#### **Publications**

# In press

Jayaweera M.W., Dilhani J.A.T., Kularatne R.K.A. and Wijeyekoon S.L.J., Biogas production from water hyacinth (Eichhornia crassipes (Mart.) Solms) grown under different nutritional conditions – Journal of Environmental Sciences and Health; Part A Toxic Substances (Accepted)

Jayaweera M.W., Kasturiaracchi J.C., Kularatne R.K.A. and Wijeyekoon S.L.J. Mechanisms of manganese removal from wastewaters in constructed wetlands comprising water hyacinth (Eichhornia crassipes (Mart.) Solms) grown under different nutritional conditions – Water, Air & Soil Pollution (in press)

Jayaweera M.W. Kasturiaracchi J.C., Kularatne R.K.A. and Wijeyekoon S.L.J. Mechanisms of iron removal from wastewaters using constructed wetlands comprising water hyacinth [Eichhornia crassipes (Mart.) Solms] grown under different nutritional conditions – Journal of Environmental Management (in press)

Welideniya H.S. Tunnel Blast Designs in Jointed Hard Rock. To be published.

Welideniya H.S. Use of Q-system in Tunnel Stability Assessment. To be published

## 2008

- 01. Gunaratna P.P., Raveenthiran K., and Rasmy M. "Assessment of Nearshore Wave Climate for Optimizing Layout of a Proposed Seaport in the Southern Coast of Sri Lanka", A paper accepted to be presented at the Seventh International Conference on Coastal and Port Engineering in Developing Countries, Dubai, February 2008.
- 02. Ratnasooriya A.H.R., Bandara R.P.S.S. and Samarawickrama S.P. Tsunami Impact Mitigation by Coastal Vegetation in Sri Lanka, Seventh International Conference on Coastal and Port Engineering in Developing Countries Dubai, United Arab Emirates, Feb 2008, (Accepted for presentation)

- 01. Nanayakkara T., Dissanayake D.T.A., Mahipala M.M.P.P.and Sanjaya K.A.G. "A Human-Animal-Robot Cooperative System for Anti-Personal Mine Detection", Humanitarian Demining: Innovative Solutions and the Challenges of Technology, ARS pulishers, http://www.ars-journal.com/hd.htm (in press, 2007)
- 02. Nanayakkara T., Piyathilaka L. and Subasingha A. "Mechatronics in Landmine Detection and Removal", MECHATRONIC SYSTEMS Devices, Design, Control, Operation, and Monitoring, Edited by De Silva C., CRC Press, Taylor & Francis, Boca Raton, FL (In Press 2007).
- 03. Nawagamuwa U.P. and Imai G. New design concept considering the Effect of smear and intermediate permeable layers on the consolidation of clayey subsoil with vertical drains, 13th ARC2007 (accepted)
- 04. Peiris T.S.G., Hansen J.W. and Zubair L. Use of seasonal climate information to predict coconut production in Sri Lanka. International. J of Climatology. (in press 2007)

- 05. Wijeyewickrema A.C, Inoue S., Gunaratna P.P., Madurapperuma M., Matsumoto H., Miura H. and Sekiguchi T. "Field Survey of the Tsunami Caused by the Sumatra-Andaman Earthquake of December 26, 2004 and the Restoration of Impacted Inland Water Bodies in Sri Lanka", Journal of Disaster Research Vol.1 No.1, 2007.
- 06. Kumarawadu S. and. Kumara K.V.C. ``Intelligent Control of Vehicles for 'ITS for the Sea Applications," to appear in Proc. 3rd Int. Conf. Information and Automation for Sustainability, Melbourne, Dec. 2007.
- 07. Kumarawadu S. and Kumara K.V.C. "On the Speed Control for Automated Surface Vessel Operation," to appear in Proc. 3rd Int. Conf. Information and Automation for Sustainability, Melbourne, Dec. 2007.
- 08. Rattasiri W., Wickramarachchi N. and Halgamuge S.K. Sensitivity Based Hierarchical Controller Architectures for Active Suspension, IEEE Transactions on Control Systems Technology, November 2007, IEEE Press.
- 09. Welideniya H.S. Guidelines for Rock Blasting in Urban Areas. Annual Proceedings Institution of Engineers, Sri Lanka. (Accepted for publication in Nov, 2007).
- 10. Liyanage T.U. and. Kumarage A.S. Activity Based Trip Generating Forecasting for a suburban area, IESL Annual Sessions, Colombo, October 2007.
- 11. Tapia P., Kumara M.W., Tia M. and Choubane B. "Analysis, Testing and Verification of the Behavior of Composite Pavements Using a Heavy Vehicle Simulator" International Workshop on Bets Practices for Concrete Pavements, Brazil, October 2007
- 12. Amarasinghe B.M.W.P.K. and Adams C.D. Low Cost Adsorbents for Cadmium Removal from Wastewater, Seminar proceedings ERU symposium, University of Moratuwa, Oct 2007.
- 13. Jayatunga G. and Amarasinghe B.M.W.P.K. Seminar proceedings ERU symposium, University of Moratuwa, Oct 2007.
- 14. Divakara S. and. Attalage R.A. Assessment of Embedded Energy in Manufacturing Wall Tiles Using Two Technologies in Sri Lanka, IESL Transactions, October 2007.
- 15. Ratnasooriya A.H.R., Samarawickrama S.P. and Imamura F. Post Tsunami Recovery Process in Sri Lanka, Journal of Natural Disaster Science, Japan, 2007 (Accepted for publication)
- Ratnasooriya A.H.R., Samarawickrama S.P., Hettiarachchi S.S.L. and Bandara R.P.S.S. Resistance to Tsunami Inundation by Coastal Vegetation: An Experimental Study, Engineering Research Unit, University of Moratuwa, Thirteenth Symposium, October 2007.
- 17. Samarawickrama S.P., Ratnasooriya A.H.R., Hettiarachchi S.S.L., Lawrance M.K.D. and Ajith Kumara G.G. Tsunami Hazards: Public Awareness and Response, Engineering Research Unit, University of Moratuwa, Thirteenth Symposium, October 2007,
- 18. Ratnasooriya A.H.R. and Wijesekara N.T.S. The Effect of Scaling on Frictional Losses in Pipes, Engineering Research Unit, University of Moratuwa, Thirteenth Symposium, October 2007.
- 19. Samarawickrama S.P., Hettiarachchi S.S.L. and Ratnasooriya A.H.R Numerical Modelling of Tsunamis: Case Study: Galle, Sri Lanka, Engineering Research Unit, University of Moratuwa, Thirteenth Symposium, October 2007,
- 20. Ratnasooriya A.H.R. Training Program on "Tsunami Inundation Modeling", organized by UNESCO/IOC and conducted at BTTP, Jakarta, Indonesia, August 2007

- 21. Welideniya H.S. Shear Strength Envelope of Idealised Infilled Joints under Constant Normal Stiffness Conditions (CNS). Publication at Engineering Research Unit Symposium, University of Moratuwa, Sri Lanka. Oct, 2007.
- 22. Welideniya H.S. GIS Application in Foundation Cost Zonation. (Accepted for publication at Engineering Research Unit Symposium, University of Moratuwa, Sri Lanka.) Oct, 2007.
- 23. Gunawardena K.P.V.K.K. and Wickramasignhe V.M. . "Critical Success Factors and Critical Uncertainties in Enterprise Resource Planning Implementations in Sri Lanka", 13<sup>th</sup> ERU Symposium, Engineering Research Unit, Faculty of Engineering, University of Moratuwa, October, 10,2007
- 24. Kumarage A.S. and Jayaratne M.D.R.P. Ownership, Regulation and Management of 100 years of Bus Transport in Sri Lanka, Proceedings, 10<sup>th</sup> Thredbo International Conference, Hamilton Island, Australia, August 2007
- 25. Kumarage A.S. et al, Optimal Bus Dispatching Policy Under Variable Demand over Time and Length, Proceedings, 10<sup>th</sup> Thredbo International Conference, Hamilton Island, Australia, August 2007
- 26. Rattasiri W., Wickramarachchi N. and Halgamuge S.K. An Optimized Anti-lock Braking System in the Presence of Multiple Road Surface Types,. International Journal of Adaptive Control and Signal Processing, Vol. 21, No. 6, August 2007, John Wiley & Sons
- 27. Jayendra G., Kumarawadu S., Ranatunge R. and Ransara S. ``Interactive Intelligent Collision Avoidance Control: Theory and Experiments," in Proc. of Int. Conf. Information and Industrial Systems, Peradeniya, Sri Lanka, Aug. 2007.
- 28. Jayendra G., Kumarawadu S. and Meegahapola L.`RFID-Based Anti-Theft Auto Security System with an Immobilizer," in Proc. of Int. Conf. Information and Industrial Systems, Peradeniya, Sri Lanka, Aug. 2007.
- 29. Jayendra G., Kumarawadu S., Ranatunge R. and Ransara S. ``Interactive Intelligent Collision Avoidance Control: Theory and Experiments," in Proc. of Int. Conf. Information and Industrial Systems, Peradeniya, Sri Lanka, Aug. 2007.
- 30. Jayendra G., Kumarawadu G. and Meegahapola L.``RFID-Based Anti-Theft Auto Security System with an Immobilizer," in Proc. of Int. Conf. Information and Industrial Systems, Peradeniya, Sri Lanka, Aug. 2007.
- 31. Amarsinghe B.M.W.P.K., Jayasinghe P.A. and Gunesekara M.Y. Adsorption of Cibacron blue dye from aqueous solutions onto HCL treated waste, Engineer, IESL, XXXX (3) July 2007.
- 32. Wickramasinghe V.M. "Staffing Practices in the Private Sector in Sri Lanka", Career Development International, 12: 2&3, 108-128, July 2007.
- 33. Wickramasinghe V.M. "Formal process of managerial learning: empirical evidence from apparel manufacturing industry", Sri Lankan Journal of Human Resource Management, 1:1, 14-35, July 2007.
- 34. Vankar P S., Shankar R., Wijayapala S., de Silva N.G.H. and De Alwis A.A.P. Dyeing cotton, wool and silk with the root and bark extracts of Salacia prinoides (Kothala), Asian Textile Journal, June 2007, pp 69-74.
- 35. Cooray T.M.J.A. Advanced Mathematics for Engineers (Volume 1) 2003, reprinted 2005, Second edition 2007 (Recommended text for Level 1 semester 1, MA(101) Mathematics, Faculty of Engineering, University of Moratuwa)

- 36. Cooray T.M.J.A. Applied Time Series Analysis and Forecasting, (NAROSA Publishers, New Delhi) (Recommended text for Level 4 semester 1, MA(403) Time Series and Stochastic Process and POR(508) Time Series and Econometrics for MSc in Operational Reserach Faculty of Engineering, University of Moratuwa),2007
- 37. Cooray T.M.J.A. and Fernando E.A.S.K. Mathematical Modeling of Over-End Yarn Withdrawl, and The Development/ Design of A Device For Uniform Unwinding Tension. 85<sup>th</sup> Textile Conference, 1-3 March 2007, Colombo, Sri Lanka.
- 38. Jayabandu S and Wickramasignhe V.M. "Operational flexibility through "flexi-hours": a non-traditional approach to manage people at work", Proceedings of 4<sup>th</sup> International Conference on Business Management. Faculty of Management Studies and Commerce, University of Sri Jayewardenepura, Sri Lanka, March, 22,2007.
- 39. Samarawickrama S.P., Hettiarachchi S.S.L., Ratnasooriya A.H.R., Welhena T. and Fernando H.J.S. Strategic Approach and Investigations on Mitigatory Measures, Presentation at the Third International Workshop on Coastal Disaster Prevention and Tsunami Hazard Map Seminar organized by the Port and Airport Research Institute, Japan, University of Moratuwa, National Science Foundation and Disaster Management Center, Sri Lanka, Colombo, Sri Lanka, February 2007
- 40. Dias W.P.S. Engineering as cyclic problem solving Some insights from Karl Popper, The Structural Engineer, Vol. 85, Issue 2, 23 Jan 2007, pp. 32-37.
- 41. Hierarchical and Interpretable Connectionist Structure Generation from Data Rattasiri W., Halgamuge S.K. and.Wickramarachchi N. International Journal of Computational Intelligence Research, Vol. 3, No. 1, January 2007, Research India Publications.
- 42. Navaratne D. and Jayawardane A.K.W. Measurement of Total Factor Productivity in the Sri Lanka construction industry, Engineer, Journal of the IESL, Vol. XXXX No.1.,2007.
- 43. Hemachandra D.G. and Jayawardane A.K.W. Successes and failures of Sri Lanka Railways in international technology transfer, Engineer, Journal of the IESL, Vol. XXXX No.2. ,2007.
- 44. Jayaweera M.W., Kasturiaracchi J.C., Kularatne R.K.A. and Wijeyekoon S.L.J.. Removal of aluminium by constructed wetlands with water hyacinth (Eichhornia crassipes (Mart.) Solms) grown under different nutritional conditions Journal of Environmental Sciences and Health; Part A Toxic Substances ,2007, 42, 185-193
- 45. Lanarolle G., Ratnayake V., De Silva N. and Perera T. The simulation of a novel manufacturing cell for garment fabrication', Proceedings of the World Textile Conference, 2007.
- 46. Ratnayake V., Lanarolle G. and Perera C. Value stream mapping as a decision making tool for applying lean techniques in the garment industry', Proceedings of the World Textile Conference, 2007.
- 47. Amarasinghe B.M.W.P.K. Comparison of adsorption characteristics of waste biomass materials for the removal of Pb ions from industrial effluents, accepted for IESL annual sessions, 2007.
- 48. Amarasinghe B.M.W.P.K. and Williams R.A. Factors affecting the adsorption of Pb and Cu ions onto granular activated carbon, accepted for SLAAS annual sessions 2007.
- 49. Amarasinghe B.M.W.P.K. and Williams R.A. Tea waste as a low cost adsorbent for Cu and Pb removal from waste water, Chem. Eng. Journal, 132, 2007, 299-309.

- 50. Siriwardena K., Wijayatunga P.D.C., Fernando W J L S, Shrestha R.M. and Attalage R.A. Economy wide emission impact of carbon and energy tax in electricity supply industry: A case study on Sri Lanka, Energy Conservation and Management, Elsevier Publications, 2007.
- 51. Ranasinghe C.S., Peiris T.S.G., Jayawardena J., Perera L, Fernando M.T.N. and Wickramananda I. Coconut Palm Decline: An Assessment of the Prevalence and Probable Causes. 1-18 pp. ,2007.
- 52. Wickramananda I R., Peiris T S G., Fernando N., Fernando L.C.P. and Edgington S. Impact of the coconut mite (Acerria guerreronis Keifer) on the coconut industry in Sri Lanka. International J of Coconut R & D (Cord), Indonesia, 23(1), 1-16.,2007.
- 53. Peiris T.S.G. and Kularatne J.D.J.S. Assessment of climate variability in Hambantota area, Submitted for International Journal of Coconut Research (CORD), 2007.
- 54. Peiris T.S.G., Waidayaratne K.P., Samita S. and Thattil R.O. Control of spatial effect due to neighboring palms in coconut (Cocos Nucifera). Accepted for International Journal of Coconut Research (CORD) ,2007.
- 55. Nanayakkara T., Piyathilaka L., Subasingha A. and Jamshidi M. "Development of Advanced Motor Skills in a Group of Humans Through an Elitist Visual Feedback Mechanism", Accepted to be presented at IEEE International Conference on Systems of Systems Engineering, San Antonio, 2007.
- 56. Cooray T.M.J.A. and Fernando E.A.S.K. The Dynamic Response of A Ballooning Yarn Theory And Experiment National Science Foundation of Sri Lanka ,2007.
- 57. Cooray T.M.J.A.. Modeling Sector Wise Demand For Electricity In Sri Lanka Using Bayesian Techniques. Sri Lanka Journal for Applied statistics. vol:7 1-15pp. ,2007.
- 58. Cooray T.M.J.A. Influence of Kalman Filter for State Space modeling, Proceeding of the 13<sup>th</sup> Annual Symposium, pp 23-26. Engineering Research Unit, University of Moratuwa. ,2007.
- 59. Cooray T.M.J.A. Analysis and Forecasting of Multiple Time series models, Proceeding of the 13<sup>th</sup> Annual Symposium, pp12-15. Engineering Research Unit, University of Moratuwa., 2007.
- 60. Fernando M.S.D., Jahankhani H., Ranmuthugala H., Lathsara H., De Silva S. and Gamage G. "Impact of IT on Fraud and Corruption: Learning from the case examples", Conference Proceedings, 3rd International Conference on Global ESecurity (ICGeS07), University of East London, UK, 2007.
- 61. Fernando M.S.D., Ranmuthugala H., Lathsara D., De Silva S. and Gamage G. "Relationship of Information Systems Security to Corruption and Fraud", (ISACA Conference Proceedings, Conference on Information Systems Audit, Control and Governance, Colombo, Sri Lanka, 2007.
- 62. Gunawardena C.N., Fernando M.S.D., Kulasekere E.C., Lamontagne M.D., Ekanayake M.B., Thaiyamuthu T. and Jayatilleke B.G. Online Tutor Mentor Development through Community Building: A Case Study from a Transitional Nation", Conference Proceedings, ICOOL 2007: 3rd International Conference on Open and Online Learning, Penang, Malaysia, 2007.
- 63. Perera G.I.U.S. and Fernando M.S.D. "Enhanced Agile Software Development Hybrid Paradigm with LEAN Practice", Conference Proceedings, ICIIS2007: Second International Conference on Industrial and Information Systems, University of Peradeniya , 2007.

- 64. Perera G.I.U.S. and Fernando M.S.D. "A Hybrid Software Paradigm The Extended Agile Process with LEAN Integration", Conference Proceedings, 13th ERU (Engineering Research Unit) Conference of University of Moratuwa, 2007.
- 65. Perera G.I.U.S. and Fernando M.S.D. "Swift Decision Making for Agile Software Paradigm A Proficient Guide", Conference Proceedings, 13th ERU (Engineering Research Unit) Conference of University of Moratuwa, 2007.
- 66. Sarweswaran K., Fernando M.S.D. and Perera G.I.U.S. "A Successful Growth of the eLearning System at University of Moratuwa", Conference Proceedings, 13th ERU (Engineering Research Unit) Conference of University of Moratuwa, 2007.

- 01. Jatunarachchi T.S.S., Senaratne A.U. and De Alwis A.A.P. Study of Anaerobic digestion of brewery spent grains, International Energy Journal, Vol 7, No 4 December 2006
- 02. Dias W.P.S. Engineering as cyclic problem solving Some insights from Karl Popper, The Structural Engineer, December 2006.
- 03. Liyanage T.U .and. Kumarage A.S. Use of Electricity Consumption as a Surrogate Variable for Socioeconomic Attributes in Trip Attraction Modelling, Proceedings of the 11<sup>th</sup> Conference of Hong Kong Society for Transportation Science, Hong Kong, December 2006
- 04. Widanapathiranage S.J. and. Kumarage A.S. 'Estimation of Bus Travel Origin-Destination Matrix on Corridor Using Screenline Counts', Proceedings of the 11<sup>th</sup> Conference of Hong Kong Society for Transportation Science, Hong Kong, December 2006
- 05. Kulathilaka S.A.S. Evaluation of Electro Kinetic Properties of Sri Lankan Peaty Clays A paper submitted at the ERU symposium of University of Mortuwa in December 2006.
- 06. Kumarawadu S. et al., "Intelligent Controller (Adaptive Fuzzy) for High Performance Power Electronic Converters," in Proc. Of Int. Conf. Information and Automation, Colombo, Sri Lanka, Dec. 2006
- 07. Kumarawadu S. et al., "Practical Design Considerations of a Low Cost Variable Speed Drive," in Proc. Of Int. Conf. Information and Automation, Colombo, Sri Lanka, Dec. 2006
- 08. Hettiarachchi A.K., Bandara N.J.G.J. and Bandara J.M.S.J. "Development of a Rapid Environmental Assessment Methodology for Road Sector Rehabilitation Projects", 11<sup>th</sup> Annual Forestry and Environment Symposium, University of Sri Jayawardenepura, Sri Lanka, December 2006
- 09. Hettiarachchi A.K., Bandara N.J.G.J. and Bandara J.M.S.J. "Development of a Rapid Environmental Assessment Methodology for Road Sector Rehabilitation Projects", 11<sup>th</sup> Annual Forestry and Environment Symposium, University of Sri Jayawardenepura, Sri Lanka, December 2006
- 10. Perera M. and Ranasinghe M. Prompt List for Risk Management in Sri Lankan Software Industry, 2<sup>nd</sup> International Conference on Information and Automation 2006, Colombo, Sri Lanka, December 2006.
- 11. Kumarawadu S. et al., "Intelligent Controller (Adaptive Fuzzy) for High Performance Power Electronic Converters," in Proc. Of Int. Conf. Information and Automation, Colombo, Sri Lanka, Dec. 2006

- 12. Kumarawadu S. et al., "Practical Design Considerations of a Low Cost Variable Speed Drive," in Proc. Of Int. Conf. Information and Automation, Colombo, Sri Lanka, Dec. 2006
- 13. Bandara J.M.S.J. "Design Options for Interchanges", Seminar on Flyovers & Durability 15th December 2006
- 14. Bandara J.M.S.J. "Spatial Distribution of Transport Infrastructure", Science & Regional Development in Sri Lanka, SLAAS Theme Seminar 62<sup>nd</sup> Annual Sessions, 11<sup>th</sup> December 2006
- 15. Jayabandu S. and Wickramasignhe V.M. "Flexible work arrangements in software development companies in Sri Lanka", 12<sup>th</sup> ERU Symposium, Engineering Research Unit, Faculty of Engineering, University of Moratuwa, November 2006
- 16. Jayaweera M.W., Kasige A.P., Kularatne R.K.A. and. Wijeyekoon S.L.J. Removal mechanisms and efficiencies of selected heavy metals in constructed wetlands. Conference proceedings of the 32<sup>nd</sup> Water, Engineering and Development Center (WEDC), International Conference on Sustainable Development of Water Resources, Water Supply and Environmental Sanitation held from 20 23 November 2006 in Colombo, Sri Lanka
- 17. Bandara J.M.S.J. and Bandara N.J.G.J. "Improved and Transparent Methodology to Compare Alternatives in Transport Sector Environmental Impact Assessments", 12<sup>th</sup> annual symposium, Research for Industry, Engineering Research Unit, University of Moratuwa. November 2006
- 18. Bandara J.M.S.J., Perera H.L.K., Theepan N. and Prabodha S.T. "Expert System for Traffic Signal Timing Design Blink 2005", 12<sup>th</sup> annual symposium, Research for Industry, Engineering Research Unit, University of Moratuwa. November 2006
- 19. Bandara J.M.S.J., Perera H.L.K., Theepan N. and Prabodha S.T. "Expert System for Traffic Signal Timing Design Blink 2005", 12<sup>th</sup> annual symposium, Research for Industry, Engineering Research Unit, University of Moratuwa. November 2006
- 20. Bandara J.M.S.J. and Bandara N.J.G.J. "Improved and Transparent Methodology to Compare Alternatives in Transport Sector Environmental Impact Assessments", 12<sup>th</sup> annual symposium, Research for Industry, Engineering Research Unit, University of Moratuwa. November 2006
- 21. Rohitha L.P.S., Wijeyekoon S.L.J., Fernando W.L.W, Dissanayake D.M.D.O.K. and. Karunaratne S. Resource recovery from photographic waste by electrowinning. . Proceedings of the 12th Annual Symposium Research for Industry 2006, November, Colombo, Sri Lanka, pp29-30.
- 22. Ranatunge R., Kumarawadu S., Lingras P. and Lee T.T.``A New Paradigm for Intelligent Collision Avoidance via Interactive and Interdependent Generic Maneuvers," in Proc. Of IEEE Int. Conf. Systems, Man and Cybernetics, Taipei, Taiwan, Oct. 2006
- 23. Thoradeniya B. and Ranasinghe M. A Methodology for Effective Stakeholder Participation through Educated Trade-Offs, Annual Transactions of Institution of Engineers, Sri Lanka, October 2006.
- 24. Dharmapala D. and Ranasinghe M. Public Private Partnerships for Water Supply to Urban Poor, Annual Transactions of Institution of Engineers, Sri Lanka, October 2006.
- 25. Ranatunge R., Kumarawadu S., Lingras P. and Lee T.T, ``A New Paradigm for Intelligent Collision Avoidance via Interactive and Interdependent Generic Maneuvers," in Proc. Of IEEE Int. Conf. Systems, Man and Cybernetics, Taipei, Taiwan, Oct. 2006.

- 26. Akuratiyagamage V. M. "Management Development Practices: Empirical Evidence from Sri Lanka', International Journal of Human Resource Management, 17:9, 1605–1623, September, 2006.
- 27. Wickramasinghe V. M. "Training Objectives, Transfer, Validation and Evaluation: A Sri Lankan study", International Journal of Training and Development, 10:3, 227-247, September, 2006.
- 28. Bandara J.M.S.J. "Urban Transport Systems Possible Alternatives", Presentation at the Sri Lanka Association for the Advancement of Science, 21<sup>st</sup> September 2006
- 29. Jayaweera M.W., Gomes P.I.A. and. Wijeyekoon S.L.J. Iron and manganese removal from textile effluents in anaerobic attached-growth bioreactor filled with coir fibre. Conference proceedings of the IWA International Conference on Biofilm Systems IV 2006: held from 24-27 September 2006 in Amsterdam RAI, The Netherlands
- 30. Bandara J.M.S.J. and Kumara A.M.T.I.S. "Optimum Route Plan for Road Inventory Data Collection" 2<sup>nd</sup> International Conference on Transport & Logistics Systems (INCOTALS), Colombo 21-22<sup>nd</sup> August 2006.
- 31. Bandara J.M.S.J. and Kumara A.M.T.I.S. "Optimum Route Plan for Road Inventory Data Collection" 2<sup>nd</sup> International Conference on Transport & Logistics Systems (INCOTALS), Colombo 21-22<sup>nd</sup> August 2006.
- 32. De Alwis A.A.P. Opportunities for Bioenergy systems in Sri Lanka, Procs of the 9<sup>th</sup> World Renewable energy Congress, 19-25 August 2006, Florence, Italy
- 33. De Alwis A.A.P. Biogas systems in Sri Lanka three decades of experience, Procs of the 9<sup>th</sup> World Renewable energy Congress, 19-25 August 2006, Florence, Italy
- 34. Bandara J.M.S.J. "Road Safety Management Are we heading in the right direction?", L.S. De Silva Memorial Lecture, organized by the Chartered Institute of Logistics & Transport, Sri Lanka, 28<sup>th</sup> August 2006.
- 35. Jayatilake I..N., Dias W.P.S., Jayasinghe M.T.R. and Thambiratnam D.P., Influence of Setbacks on the Performance of High-Rise Buildings under Blast Loadings, 2<sup>nd</sup> International Conference on Design and Analysis of Protective Structures, Singapore, November 2006.
- 36. Jayanathan M., Indraratna B. and Welideniya H.S. Importance of Infilled Joints in Shear Strength Assessment of Rock Mass. ISRM International Symposium 2006 4<sup>th</sup> Asian Rock Mechanics Symposium, 8-10 November 2006, Singapore.
- 37. Kulathilaka S.A.S. and Sagarika D.K.N.S. A Laboratory Simulation of Electro Osmotic Consolidation of Very Soft Peaty Paper published in the 100 th Annual Sessions of the IESL in October 2006.
- 38. Kumara M. W., Tia M., Bergin M. and. Choubane B. "Evaluation of Early Strength Requirement of Concrete for Slab Replacement Using Accelerated Pavement Testing, Journal of Transportation in Civil Engineering-ASCE, October 2006
- 39. Widanapathiranage S.J. and. Kumarage A.S, 'The Impact of Passenger Overloading on Mode Choice of Public Transport. Proceedings of the Annual Sessions of the Institution of Engineers Sri Lanka, October 2006.
- 40. Liyanage T.U. and. Kumarage A.S. 'Use of Electricity Consumption as an input for Cost Effective Traffic Forecasting', Proceedings of the Annual Sessions of the Institution of Engineers Sri Lanka, October 2006.

- 41. Nawagamuwa U.P. Effects Intermediate Permeable Layers on the Consolidation of Soft Clays with Prefabricated Vertical Drains, SLGS Conference on Geotechnical Engineering under Difficult Ground Conditions, Colombo, Sri Lanka, 15<sup>th</sup> August 2006
- 42. Kulathilaka S.A.S. Improvement of Soft Peaty Clays by Electro Osmosis with Electro Kinetic Geosynthetics, Paper published in the Sri Lankan Geotechnical Conference on Geotechnical Engineering Under Difficult Ground Conditions, in Colombo in August 2006
- 43. Ratnasooriya A.H.R. Training Program on "Tsunami Studies" conducted at Tohoku University, Japan, July-August 2006
- 44. Ratnasooriya A.H.R. International Seminar on Tsunami Disaster Prevention, Sendai, Japan, August 2006
- 45. Cooray T.M.J.A. Complex Analysis with Vector Calculus (NAROSA Publishers, New Delhi) (Recommended text for Level 2 semester 1, MA(202) Calculus, Faculty of Engineering, University of Moratuwa), 2006.
- 46. Peiris T.S.G. Impact of climate change on coconut industry in Sri Lanka. Paper presented at the 3<sup>rd</sup> International conference on Climate Impact and Assessment (TICCIA), 24-27 July 2006, Cairns, Australia,
- 47. Khazai B., Franco G., Ingram J.C., Del Rio C.R., Dias P., Dissanayake R., Chandratilake R. and Kanna S.J. Post December 2004 tsunami in Sri Lanka and its potential impacts on future vulnerability, Earthquake Spectra, Vol. 22, No. S3, June 2006, pages S829-S824.
- 48. Dias W.P.S. and Mallikarachchi. H.M.Y.C. Tsunami planning and design for disaster mitigation, The Structural Engineer, Vol. 84, 6 June 2006, pp. 25-29 (invited paper).
- 49. Kumarage A.S., Bandara J.M.S.J. and Bandara H.M.K.G.G. "Effect of Cost of Road Construction & Maintenance Due to Overloading", International Workshop on Assessing the Need of Highway Axle Loads Management in Developing Countries, Colombo, Sri Lanka, 16-17 June 2006
- 50. Kumarage A.S., Bandara J.M.S.J. and Bandara H.M.K.G.G. "Effect of Cost of Road Construction & Maintenance Due to Overloading", International Workshop on Assessing the Need of Highway Axle Loads Management in Developing Countries, Colombo, Sri Lanka, 16-17 June 2006.
- 51. Bandara J.M.S.J. "Policy of Future Warning Systems Sri Lanka" Asia Pacific Forum Special Session, EMACS 7, Caen, France, May 2006.
- 52. Dias P., Dissanayake R. and Chandratilake R. Lessons learned from tsunami damage in Sri Lanka, ICE Proceedings on Civil Engineering, Vol. 159, No. 2, May 2006, pp. 74-81.
- 53. Amarasinghe B.M.W.P.K. and Williams R.A. Trapping heavy metals, Filtration and Separation 2, The Chemical Engineer, April, 2006
- 54. Wijayatunga P.D.C, Siriwardena K., Attalage R.A., Fernando W.J.L.S. and Shrestha R.M. Policies for Clean and Energy Efficient Technologies, Journal of the Sri Lanka Energy Managers Association, April 2006
- 55. Kumarawadu S., Perng J.W. and Lee T.T, "Exponentially Stabilizing Output Tracking of Fully Autonomous Passenger Cars with an Observer," in Proc. of IEEE Int. Conf. Networking, Sensing, and Control, Ft. Lauderdale, FL, USA, Apr. 2006, pp. 562--566.
- 56. Jayawardane A.K.W. Recent Tsunami Stricken to Sri Lanka and recovery, International Seminar on Risk Management for Roads, organised by PIARC and Ministry of Transport in Vietnam, 26-28<sup>th</sup> April 2006 at Melia Hotel, Vietnam.

- 57. Kumarawadu S., Perng J.W. and Lee T.T. ``Exponentially Stabilizing Output Tracking of Fully Autonomous Passenger Cars with an Observer," in Proc. of IEEE Int. Conf. Networking, Sensing, and Control, Ft. Lauderdale, FL, USA, Apr. 2006, pp. 562--566.
- 58. Jayawardane A.K.W. Disaster Mitigation Initiatives in Sri Lanka, International Symposium on Management Systems for Disaster Prevention, organised by Kochi University of Technology, Japan, 9-11 March 2006 at Kochi University, Japan.
- 59. Gunaratna P.P. "Environmental Restoration of Tsunami Impacted Inland Water Bodies In Sri Lanka", Third International Conference on Urban Earthquake Engineering, Tokyo Institute of Technology, Japan, March 2006.
- 60. Inoue S., Wijeyewickrema A.C., Matsumoto H., Miura H., Gunaratna P.P., Maurapperuma M., and Sekiguchi T. "Tsunami Arrival Time in Sri Lanka due to the 2004 Sumatra Earthquake", Third International Conference on Urban Earthquake Engineering, Tokyo Institute of Technology, Japan, March 2006.
- 61. Wijeyewickrema A.C., Inoue S., Matsumoto H., Miura H., Gunaratna P.P., Maurapperuma M. and Sekiguchi T. "Report on Two Field Visits to Assess Tsunami Damage in Sri Lanka due to the Sumatra-Andaman Earthquake of December 26, 2004", Third International Conference on Urban Earthquake Engineering, Tokyo Institute of Technology, Japan, March 2006.
- 62. Gunaratna P.P. "Impact of Tsunami on Karagan Lewaya, Sri Lanka", International Workshop on Post-Disaster Assessment & Monitoring of Changes in Coastal, ocean & Human Systems in the Indian Ocean & Asian Waters, Phuket, Thailand, February 2006
- 63. Bandara J.M.S.J. "Future Needs of Road Construction & Maintenance", Land Transport Infrastructure for Economic Development, Seminar organized by the Chamber of Construction Industries, Sri Lanka, 16th February 2006
- 64. Bandara J.M.S.J. "Transportation Infrastructure at Provincial Level", Workshop on Service Delivery and Infrastructure for Promoting Pro-Poor Growth and Development in Sri Lanka, January 16-18 2006, Galle.
- 65. Amaradasa K., Dasanayaka R. and Dias G. "Localization of Open Source Software: A Case Study of Thunderbird and Firefox", Trans. IEE Sri Lanka, 2006.
- 66. Thoradeniya B. and Ranasinghe M. Environment Value of Project Impacts for Sustainable River Basin Development Projects, 'Incorporated Engineer' Volume 6 (1), Institution of Incorporated Engineers, Sri Lanka., 2006.
- 67. Dias W.P.S. Heidegger's resonance with engineering: The primacy of practice, Science and Engineering Ethics, Vol. 12, No. 3, 2006, pp. 523-532.
- 68. Nawagamuwa U.P. Cavity Expansion Analysis for Sand Compaction Piles, Geotechnical Journal, Sri Lankan Geotechnical Society, Vol.3, No.1, 2006.
- 69. Wijayatunga P.D.C., Siriwardena K., Fernando W.J.L.S., Shrestha R.M. and Attalage R.A. Strategies to Overcome Barriers for Cleaner Generation Technologies in Small Developing Power Systems: Sri Lanka Case Study, Energy Conservation and Management, Elsevier Publications, Vol 47, Issue 9-10, 2006
- 70. Peiris T.S.G., Appuhamy H.N., Nainanayake N.P.A.D., Bandaranayake C. K. and Fernando M. T. N. Coconut Research, Development and Dissemination of Technologies Growers Perception. 1-102pp. ISBN: 955 9013 06 8,2006.
- 71. Kularatne J.D.J.S., Peiris T.S.G. and Samita S. Feasibility of single palm plot in coconut experimentation. Journal of Tropical Agricultural Research, 18, 55-62,2006.

- 72. Waidyarathne K.P, Peiris T.S.G and Samita S. Shift in onset of first inter monsoon rain in coconut growing areas in Sri Lanka. Journal of Tropical Agricultural Research, 18, 1-12, 2006.
- 73. Marikkar J.M.N., Jayasundara J.M.M.A., Fernando W.S.R. and Peiris T.S.G. Fortification of coconut oil with sesame oil through micro expeller extraction process. International J of Coconut R & D(Cord), Indonesia, 22(2), 15-21, 2006.
- 74. Gunatilake H.A.J., Joseph P.G. and Peiris T.S.G. Sustainable Biomass Production in Sri Lanka and possibilities for Agro-forestry Intervention, 2006.
- 75. Peiris T.S.G. Opportunities for Research in Applied Statistics. Invited presentation, at the Section E1/SLAAS at the Annual Session of the SLAAS, 2006.
- 76. Wijeyekoon S. Trends in Biotechnology Research: Biofilms: Structure, Function, Activity and Control, Edwin C. Hearns (ed), NOVA Publishers (USA), pp 39 128,2006.
- 77. Wijeyekoon S. Status of Freshwater in Sri Lanka: From a Precious Resource to a Commodity Wasted and Mismanaged, in Water Global Common and Global Problems: Grover Velma I. (ed) Science Publishers Inc (USA) pp 83-111, 2006.
- 78. Thoradeniya B. and Ranasinghe M. Framework for Educated Trade-offs for Sustainable Water Resource Development, 32nd WEDC International Conference, Colombo, Sri Lanka, 2006.
- Nanayakkara T., Udawatta L., De Silva A., Jayathilake M., Peiris S. and Galgomuwa A. "High Performance Temperature Controller for Infant Incubators" in Proc. of the International Conference on Information and Automation 2006, Colombo, Sri Lanka pp. 115-120
- 80. Cooray T.M.J.A. Statistical Analysis And Forecasting of Main Agriculture Output of Sri Lanka: Rule-Based Approach., 10<sup>th</sup> International Symposium, 221pp.Sabaragamuwa University of Sri Lanka, 2006.
- 81. Cooray T.M.J.A. Development And Present Situation of Technical Education System In Sri Lanka. 10<sup>th</sup> International Symposium, Sabaragamuwa University of Sri Lanka 131pp. ,2006.
- 82. Cooray T.M.J.A. Determination of degree of differencing necessary to reduce the stationarity in non stationary time series models. Annual Research Session), Eastern University of Sri Lanka, 2006.
- 83. Cooray T.M.J.A. Forecasting the tourist arrivals to Sri Lanka and identifying influential factors. Annual Research Session, Eastern University of Sri Lanka, 2006.
- 84. Cooray T.M.J.A.. Effectiveness of recursive estimation of time series models, Annual Research Session. Eastern University of Sri Lanka, 2006.
- 85. Cooray T.M.J.A. Analysis And Evaluation of Econometric Time Series Models: Dynamic Transfer Function Approach. Proceeding of the 62<sup>th</sup> Annual Session of the SLAAS, 96pp, 2006.
- 86. Cooray T.M.J.A. (abstract)The Impact of Economic Growth Intervention on Electricity Demand in Sri Lanka, Proceeding of the 62<sup>th</sup> Annual Session of the SLAAS, 96pp, 2006.
- 87. Cooray T.M.J.A.(abstract) MATLAB For Analysis of Time Series With Multiple Seasonality, Proceeding of the 62<sup>th</sup> Annual Session of the SLAAS, 194pp ,2006.
- 88. Cooray T.M.J.A. Use of Information Technologies (IT) At Technical Colleges In Sri Lanka, Proceeding of the 12<sup>th</sup> Annual Symposium, 55-57pp. Engineering Research Unit, University of Moratuwa, 2006.

- 89. Cooray T.M.J.A. A New Approach of Iddentifying Arima Models For Seasonal Time Series.. Proceeding of the 12<sup>th</sup> Annual Symposium,71-74pp Engineering Research Unit, University of Moratuwa, 2006.
- 90. Cooray T.M.J.A (abstract)Modeling Sector Wise Demand For Electricity In Sri Lanka Using Bayesian Techniques. Proceeding of the 12<sup>th</sup> Annual Symposium, 86-89. Engineering Research Unit, University of Moratuwa, 2006.
- 91. Fernando M.S.D. "Feasibility Survey on IT Industry Collaboration for Evolutionary Course Development in a Transitional Country", Conference Proceedings, IRMA International Conference, Washington DC, USA, 2006.
- 92. Fernando M.S.D. "Adaptive IT Education through IT Industry Participation", Conference Proceedings, IRMA International Conference, Washington DC, USA, 2006.
- 93. Fernando M.S.D. "Information Systems Security: Cases of Network Administrator Threats", Conference Proceedings, 2nd International Conference on Global ESecurity (ICGeS06), University of East London, UK (Coauthors: Hamid Jahankhani, Mathews Z Nkhoma). Also published in International Journal of Information Security and Privacy, 2006.
- 94. De Silva M.B.G.S. and Fernando M.S.D. "Improving Linux Security", Conference Proceedings, CHASE2006 Conference on Hacking and Security, Lahore, Pakistan, 2006
- 95. Perera G.I.U.S. and Fernando M.S.D. Generalized ELearning Framework: Sri Lankan University Context", Conference Proceedings, 12th ERU (Engineering Research Unit) Conference of University of Moratuwa, 2006.
- 96. Peiris P. and Fernando M.S.D. "Information Systems Governance in Sri Lankan Corporate Sector", Conference Proceedings, 12th ERU (Engineering Research Unit) Conference of University of Moratuwa, 2006.
- 97. Wickramasignhe V.M. "Strategic Human Resource Development in Sri Lanka", Proceedings of International Conference on Management for Growth and Development. Faculty of Management and Finance, University of Colombo, Sri Lanka, 2006.
- 98. Perera R.C.L. and Wickramasignhe V.M. "Employability and Employability Skills of Graduates from Local Universities", Proceedings of 3<sup>rd</sup> International Conference on Business Management. Faculty of Management Studies and Commerce, University of Sri Jayewardenepura, Sri Lanka., 2006.
- 99. Kumara K M.I.M. and Wickramasignhe V.M. "An Application of Two Factor Theory to IT Knowledge Workers in Sri Lanka", Proceedings of 3<sup>rd</sup> International Conference on Business Management. Faculty of Management Studies and Commerce, University of Sri Jayewardenepura, Sri Lanka, 2006.

- 01. Sirisoma R.M.N.T. and Bandara J.M.S.J. Re-Planning Bus Route Networks To Meet Growing Changes In Urban Environments, 11th International Student Seminar On Transport Research Symposium, November 29th to December 1st, 2005, Chiba, Japan
- 02. Damith S.H. and Bandara J.M.S.J. "Safe and efficient pedestrian crossing facilities for urban environments", Proceedings of the 11<sup>th</sup> International Student Seminar On Transport Research Symposium, December, 2005, Chiba, Japan, pp172-181

- 03. Sirisoma R.M.N.T. and Bandara J.M.S.J. "Re-Planning Bus Route Networks To Meet Growing Changes In Urban Environments", Proceedings of the 11<sup>th</sup> International Student Seminar On Transport Research Symposium, December, 2005, Chiba, Japan, pp69-76
- 04. Kumara M.A.W. and Bandara J.M.S.J. "Sustainable & Environment Friendly Approach for Rural Road Development", 10<sup>th</sup> Annual Forestry and Environment Symposium, University of Sri Jayawardenepura, Sri Lanka, December 2005
- 05. Bandara J.M.S.J. "Transport & Logistics for Disaster Management Often Forgotten Aspect" Section C Presidential Address, 61<sup>st</sup> Annual Sessions of the Sri Lanka Association for the Advancement of Science, December 2005
- 06. Bandara J.M.S.J. "Tsunami Related Student Volunteer Activities", Conference on What Universities Must do in an Event of a Disaster, Ritsumeiken University, Kyoto, Japan, December 2005
- 07. Kumara M.A.W. and. Bandara J.M.S.J. "Sustainable and Environment Friendly Approach for Low Volume Road Development" Tenth Annual Forestry and Environment Symposium- University of Sri Jayawardane, Sri Lanka 2-3 Dec 2005
- 08. Gamage S. and Dias G. "Sharing Excess Bandwidth among Cooperative Organizations for Web Access" in Proc. 7<sup>th</sup> International IT Conference, Colombo, Sri Lanka, November 2005.
- 09. Dias P., Fernando L., Wathurapatha S. and De Silva Y. Structural resistance against sliding, overturning and scouring caused by tsunamis, Int Conf on Disaster Reduction on Coasts, Melbourne, November 2005
- 10. Gunathilaka K.D.S. and Ranasinghe M. Financing of Toll Highways in Sri Lanka; Reality Check, Annual Transactions, Institution of Engineers, Sri Lanka, October 2005.
- 11. Kumarage A.S.Analysis of Trends in Fatal Accidents of Vulnerable Road Users in Sri Lanka, Road Safety Conference for Four Continents, Warsaw, Poland, October 2005
- 12. Lee T.T., Kumarawadu S. and Perng J.W. Direct-Adaptive Neurocontrol of Robots with Unknown Nonlinearities and Velocity Feedback, in Proc. of IEEE Int. Conf. Systems, Man and Cybernetics, The Big Island, Hawaii, Oct. 2005, pp. 2073--2077
- 13. Tittagala S.R. Implementation of Career Guidance Programmes in the University Sector National Workshop on the Coordination of Career Guidance Organised by the National Human Resource Development Council (NHRDC) of the Ministry of Skills Development, Vocational and Technical Education. 5-6 October 2005, Colombo
- 14. Pathiranage Y.L. and Bandara J.M.S.J. "An Analytical Approach for Traffic Incident Analysis", Proceedings, 11<sup>th</sup> annual symposium, Research for Industry, Engineering Research Unit, University of Moratuwa. September 2005, pp 109-128
- 15. Kulathilaka S.A.S. and Muhunthan A. Numerical Simulation of the Use of Lightweight Fill in Construction of Embankments on Soft Peaty Clays Paper accepted for publication at the 16 th International Conference on Soil Mechanics and Geotechnical Engineering to be held in Osaka, Japan inn September 2005.
- 16. Kumarage A.S. Comparison of Accident rates between vehicle types in Sri Lanka, 11<sup>th</sup> ERU Symposium, University of Moratuwa, September 2005.
- 17. Nawagamuwa U.P. and Imai G. New design concept for vertical drains considering intermediate permeable layers with smear effect, 3<sup>rd</sup> Young Geotechnical Engineers' Conference, iYGEC, Osaka, Japan, 12<sup>th</sup>-16th September 2005
- 18. Nawagamuwa U.P. Studies on the effects of influential factors on consolidation with vertical drains, Doctoral dissertation, Yokohama National University, Japan, September 2005

- 19. Jayawardhana L.C., De Alwis A.A.P. and Pilapitiya S. BESTCity: A decision support system for integrated solid waste management R'05, Procs of the 7<sup>th</sup> World Congress on Recovery, Recycling and Re-integration, Sept 25-29 2005, Beijing, China.
- 20. Manamperi A. and De Alwis A.A.P. Usefulness of the BESTFill expert system: A case study of three landfill sites in Sri Lanka, R'05, Procs of the 7<sup>th</sup> World Congress on Recovery, Recycling and Re-integration, Sept 25-29 2005, Beijing, China.
- 21. Jayawardhana L.C., De Alwis A.A.P., Pilapitiya S. and Ranasinghe M. BESTCity: Developing clean cities by intelligent management of information, Artificial Intelligence Applications and Innovations II, Daoliang Li and Wang Baoji (eds), Springer (Pubs), pp 625-631 (refereed proceedings of IFIP Conference on Artificial Intelligence Applications and Innovations (AIAI 2005), Sep 7-9 2005, Beijing, China)
- 22. Fernando S., De Alwis A.A.P. and Gunawardana S. In vessel composting of solid waste using a rotating reactor, R'05, Procs of the 7<sup>th</sup> World Congress on Recovery, Recycling and Re-integration, Sept 25-29 2005, Beijing, China.
- 23. Yasaratne P.D.T.N., Wijeyekoon S.L.J. and Peiris S. Environmental Management Options for Skim Rubber Industry. Proceedings of the 11th Annual Symposium Research for Industry 2005, September 2005, University of Moratuwa, Sri Lanka, pp261-270
- 24. Gunathilaka K D.S. and Ranasinghe M. Reality Check of Financing Toll Highways to Sri Lanka, 7<sup>th</sup> World Congress on Recovery, Recycling and Re-integration, September 2005, Beijing, China
- 25. Manamperi A. Jayawardena L.C., De Alwis A.A.P. and Pilapitiya S. Development of an Expert System for landfilling applications in Sri Lanka, Artificial Intelligence Applications and Innovations II, Daoliang Li and Wang Baoji (eds), Springer (Pubs), pp 643-653 (refereed proceedings of IFIP Conference on Artificial Intelligence Applications and Innovations (AIAI 2005), Sep 7-9, Beijing, China), 2005.
- 26. Dias W.P.S. and Chandratilake S.R. Assessing vulnerability of buildings to blast using interval probability theory, 8<sup>th</sup> Int. Conf. on the Application of Artificial Intelligence to Civil, Structural and Environmental Engineering, Rome, 30 Aug to 2 Sep, 2005
- 27. Dias W.P.S. and Padukka U.A. AI techniques for preliminary design decisions on column spacing and sizing, 8<sup>th</sup> Int. Conf. on the Application of Artificial Intelligence to Civil, Structural and Environmental Engineering, Rome, 30 Aug to 2 Sep, 2005.
- 28. Fernando S. and Dias G. "A CERT for Sri Lanka? Challenges and Potential" in Proc. 24th National IT Conference, Colombo, August 2005.
- 29. Disanayake C. and Dias G. "Sinhala Terms for Computer Applications" in Proc. 24th National IT Conference, Colombo, August 2005.
- 30. Dias G. and Akhtar S. "Voices from Asia-Pacific: Internet Goverence Priorities and Reccomendations", in Proc. 24th National IT Conference, Colombo, August 2005.
- 31. Nawagamuwa U.P. and Imai G. Effects of Intermediate permeable layers on consolidation with vertical drains considering variable permeability and compressibility, 40th Japan-National Conference on Geotechnical Engineering, Hakodate, Japan, 4-6th July 2005
- 32. Nawagamuwa U.P. and Imai G. Combinational effect of intermediate permeable layers and smear in the grounds improved with vertical drains, 6<sup>th</sup> International Conference on Ground Improvement Techniques (GI05), Coimbra, Portugal, 17-19th July 2005

- 33. Nawagamuwa U.P. and Imai G. Effect of smear and intermediate permeable layers on the consolidation of clayey sub soil using vertical drains, 7<sup>th</sup> International Summer Symposium, JSCE, Tokyo, Japan, 30th July 2005
- 34. Dias W.P.S. Discussion of "Do ethics matter? by D. Blockley", The Structural Engineer, Vol. 83, No. 14, p. 38, 19 Jul 2005.
- 35. Amarasinghe B.M.W.P.K. and Gangodavilage N.C. Adsorbents from waste bio mass production and application. 7<sup>th</sup> World Congress of Chemical Engineering, Glasgow, Scotland, 10-14 July 2005
- 36. Wijayatunga P.D.C. and Attalage R A. Socio-economic Impact of Solar Home Systems in Rural Sri Lanka: A case Study, Energy for Sustainable Development, Vol IX No 2, June 2005.
- 37. Appea A., Kumara M.W., Tia M., Jackson N.M., Choubane B. and Bergin M. "Concrete Slab Instrumentation Procedure and Comparison of Field Measured Responses To Computed Responses," Proceedings of Fifth International Conference on Road and Airfield Pavement Technology, Seoul, Republic of Korea, 10-12 May 2005
- 38. Bandara J.M.S.J. "Necessary Changes in Transport Policies and Strategies to Reach Development Goals of Sri Lanka" 2<sup>nd</sup> ANTLER conference, New Delhi, April 2005.
- 39. Kumarage A.S. Impact of Transport Infrastructure & Services on Urban Poverty and Land Development: A Case Study of Colombo, Sri Lanka, 3<sup>rd</sup> Urban Research Symposium, Brasilia, April 2005.
- 40. Kumara M. W., Tia M, Wu C-L. and. Choubane B. "Analysis of Composite Pavements Under Moving and Static Wheel Loads from a Heavy Vehicle Simulator," International conference on Best Practices for Ultrathin and Thin Whitetopping Pavement, Denver Colorado, April 2005
- 41. Dias G.V. "Challenges of enabling IT in the Sinhala Language" in Proc. 27th Internationalization and Unicode Conference, Berlin, Germany, April 2005.
- 42. Gunathilaka K.D.S and Ranasinghe M. Toll Highways to Sri Lanka for Economic Development, 2<sup>nd</sup> International Conference on Business Management in the Third World (ICBM 2005), March 2005, Colombo, pp. 511-519.
- 43. Perera A.A.D.A.J. and Jayasinghe C. Performance of Masonry Cement, Report Submitted to Holcim(Lanka) Ltd. March 2005.
- 44. Bandara J.M.S.J. "How to deal with Infrastructure Rehabilitation After Tsunami, Workshop on Geochemical & Techtonic Structure of the Earth & Natural Disasters: Earthquakes, Volcanos, Landslides & Tsunami", SLAAS Section E &EC, University of Ruhuna, Matara, March 2005.
- 45. Kumarawadu S. and Lee T.T. "Combined Controller-Observer Design with Guaranteed Closed-Loop Stability for Automated Vehicle Operation," in Proc. of IEEE Int. Conf. on Networking, Sensing and Control}, Tucson, AZ, USA, Mar. 2005, pp. 294—298
- 46. Gunaratna P.P. "Assessment of Damage Caused by Tsunami in the Southern and Southwestern Coasts of Sri Lanka", Indian Ocean Marine Environmental Conference, Perth, Australia, February 2005
- 47. Gunaratna P.P. "A Study of Monsoonal Weather Influenced Wave Climate off the Southern Coast of Sri Lanka", Indian Ocean Marine Environmental Conference, Perth, Australia, February 2005.
- 48. Bandara J.M.S.J. "Road Safety & User Behaviour" Seminar on Re-Planning Logistics & Transport in Devastated Areas and Managing the Logistics of Reconstruction, CILT Sri Lanka, January 2005

- 49. Cooray T.M.J.A. Advanced Mathematics for Engineers (Volume 2) reprinted 2007, (Recommended text for Level 1 semester 2, MA(102) Methods of Mathematics, Faculty of Engineering, University of Moratuwa), 2005.
- 50. Jayasinghe C., Perera A.A.D.A.J. and West S. The Application of Hand Moulded Stabilized Earth Blocks for Rural Houses in Sri Lanka, EarthBuild 2005, International Earth Building Concference, University of Technology, Sydney, 19-21 January 2005.
- 51. Kulathilaka S.A.S. Use of Soil Nailing Technique for Stabilisation of Slopes to be Published in Geotechnical Journal Journal of the Sri Lankan Geotechnical Society, 2005.
- 52. Kulathilaka S.A.S., and Sagarika D.K.N.S. Evaluation of Electro Osmotic Parameters for Sri Lankan Peaty Clay Paper submitted for publication in the Ground Improvement Journal of the Institution of Civil Engineers (London) in 2005
- 53. Kulathilaka S.A.S., and Sagarika D.K.N.S. Electro Osmotic Consolidation of Peaty Clay Under Three Dimensional Conditions Paper submitted for publication in the Ground Improvement Journal of the Institution of Civil Engineers (London) in 2005
- 54. Kumara M.W. "Analysis And Verification Of Stresses And Strains And Their Relationship To Failure In Concrete PavementsUnder Heavy Vehicle Simulator Loading" Ph.D. Dissertation, University of Florida, 2005
- 55. Marikkar J.M.N.H.M., Ghazali Y.B., Man C., Peiris T.S.G. and Lai O.M. Distinguishing lard from other animal fats in admixtures of some vegetable oils using liquid chromatographic data coupled with multivariate data analysis. Food Chemistry, 90, 30-35., 2005.
- 56. Peiris T.S.G. Spatial aggregation of multidisciplinary data. Sri Lankan J of Applied Statistics, 5, 29-50, 2005.
- 57. Siriwardena P.H.A., Fernando L.C.P. and Peiris T.S.G. A novel method to estimate the population of coconut mite on a coconut nut. J. of Experimental and Applied Acarology, Nertherlands. 37, 123-129,2005.
- 58. Peiris T.S.G. Role of statisticians towards disaster management in climate. 28-35 pp, Proceedings of the 6<sup>th</sup> Annual General Meeting of the Applied Statistics Association of Sri Lanka, Prof. V K Samaranayake Auditorium, University of Colombo, Colombo, Sri Lanka., 2005.
- 59. Peiris T.S.G. and Ranasinghe C.S. Proceeding II (Contributed Papers) of the International Conference of the CRISL: Tree of Life New Trends in the Millennium (1-361 pp). ISBN: 955-9013-03-3,2005
- 60. Indraratna B., Welideniya H.S. and Brown E.T. A Shear Strength Model for Idealised Infilled Joints under Constant Normal Stiffness (CNS), Geotechnique, Volume 55, No. 3, pp. 215-226,2005.
- 61. Wickramasinghe G.L.D. and Foster P.W. Effect of disc spacing on twist level in friction disc false-twist texturing, Research for industry, Proceedings of the 11<sup>th</sup> Annual Symposium, Engineering research unit, University of Moratuwa, Sri Lanka, 2005.
- 62. Cooray T.M.J.A. A Time- Varying Parameter Approach of Tourism Demand Modelling in Sri Lanka, Proceeding of the 12<sup>th</sup> Annual Symposium,(33-44 pp). Engineering Research Unit, University of Moratuwa,2005.

- 63. Cooray T.M.J.A. Estimation and Forecasting of Time Dependent Parameter Models using Reliable Software,(73-92pp). Proceeding of the 12<sup>th</sup> Annual Symposium, Engineering Research Unit, University of Moratuwa, 2005.
- 64. Cooray T.M.J.A. In Approach of State Space Modelling for Indirect Tire Pressure Monitoring., Sri Lanka Journal for Applied statistics, (vol:6 13-28pp),2005.
- 65. Cooray T.M.J.A. .Model for tourism forecasting and policy in complex situations, (2006). Proceedings, 10<sup>th</sup> International Conference, University of Keleniya ,2005.
- 66. Cooray T.M.J.A. Autoregressive Modeling Approach to Forecasting Paddy Yield in Sri Lanka, Proceedings, 10<sup>th</sup> International Conference, University of Keleniya, 2005.
- 67. Fernando M.S.D, "A Holistic Maturity Model for IT Aligned University Education: IALMM", IASTED International Conference on Education and Technology, Calgary, Alberta, Canada, 2005.
- 68. Fernando M.S.D. "Digital Forensics an Introduction", ISACA Conference Proceedings, International Conference on Information Systems Audit, Control and Governance, Colombo, Sri Lanka, 2005.
- 69. Fernando M.S.D. and Dias G. "A CERT for Sri Lanka? Challenges and Potential" CSSL Proceedings, 24th National Information Technology Conference, Colombo, 2005.
- 70. Fernando M.S.D. "Elearning and University Education: a Case Study on Blended Learning", Conference Proceedings, 1st International Conference on Open Distance Learning, Colombo, 2005.
- 71. Fernando M.S.D. "Issues of elearning in Third World Countries", Encyclopedia of Information Science and Technology, Vol. 1, 2005
- 72. Akuratiyagamage V.M. "Identification of Management Development Needs: A Comparison across Companies of Different Ownership Foreign, Joint- Venture and Local in Sri Lanka", International Journal of Human Resource Management, 16:8, 1517–1533, 2005.
- 73. Wickramasignhe V. M. "Human Resource Function in the Strategy Process: A Case for Convergence", Proceedings of 10<sup>th</sup> International Conference on Sri Lanka Studies, Research Center for Social Sciences, University of Kelaniya, Sri Lanka, 2005.
- 74. Jinadasa L. and Wickramasignhe V.M. "IT Industry Labour Turnover: The Reality", Proceedings of 10<sup>th</sup> International Conference on Sri Lanka Studies, Research Center for Social Sciences, University of Kelaniya, Sri Lanka,2005.
- 75. Senadeera R. N. and Wickramasignhe V. M. "Technical Education in Sri Lanka: Appropriateness and Effectiveness of Training Programmes Initiated Through Foreign Grants", Proceedings of 10<sup>th</sup> International Conference on Sri Lanka Studies, Research Center for Social Sciences, University of Kelaniya, Sri Lanka ,2005.
- 76. Jayasena T.D.S.A., Wickramasignhe V.M. and Dasanayaka S.W. S. B. "Technology Transfer: The Role of Culture in Transferring Technology" Proceedings of 2<sup>nd</sup> International Conference on Business Management in Third World. Faculty of Management Studies and Commerce, University of Sri Jayewardenepura, Sri Lanka ,2005.

- 77. Kumarathasan V. and Nanayakkara T. "Intelligent Collaboration Among Robotic Agents for Landmine Detection", Proc. of the Annual Sessions, Sri Lanka Association for Artificial Intelligence, 2005.
- 78. Dias M.B., Tettey G.A.M. and Nanayakkara T. "Robotics, Education, and Sustainable Development", Proc. of IEEE International Conference on Robotics and Automation (ICRA2005), 2005, Barcelona, Spain.

- 01. Preethika L.U. and Bandara J.M.S.J. "Effective Use of Available Transport Data to Improve Vehicle Emission Inventory for Sri Lanka", Proceedings of the 60<sup>th</sup> Annual Sessions of SLAAS, University of Colombo, December, 2004.
- 02. Liyanage L.W.G. and Bandara J.M.S.J. "Micro Simulation Model to Analyze Turning Movement Delays at Road Intersections", Proceedings of the 60<sup>th</sup> Annual Sessions of SLAAS, University of Colombo, December, 2004.
- 03. Preethika L.U. and Bandara J.M.S.J. "Vehicle Emission Inventory for Sri Lanka", First National Symposium on Air Resources Management in Sri Lanka, December 2004
- 04. Bandara J.M.S.J. "Necessary Changes in Transport Policies & Strategies to Reach Our Development Targets" SLAAS Theme Seminar Development, Poverty & Contradictions, 60th Annual Sessions of SLAAS, December 2004
- 05. Perera A.A.D.A.J. and Shiyamasuntharan R. "Fuzzy expert system for estimating productivity rates for labour, plant and material", 60<sup>th</sup> Annual Session, Sri Lanka Association for the Advancement of Science, December 2004.
- 06. Piyasiri C. H., Peiris T. S. G and Samita S. Empirical prediction of maximum and minimum air temperature in Sri Lanka. In Proceedings of the International Statistical Conference: Visions of futuristic methodologies. 371-379, (Eds: Basil M de Silva and Nitis Mukhopadhyay), 28-30 December 2004, Postgraduate Institute of Science, University of Peradeniya, Sri Lanka.
- 07. Kularatne J.D.J. S., Peiris T.S.G. and Mathes D.T. Long-term climate variability in Hambantota. 71, In Proceedings of the International Sri Lankan Statistical Conference. (Eds: Basil M. de Silva and Nitis Mukhopadhyay), 28-30 December, Post Graduate Institute of Science, University of Peradeniya, Sri Lanka, 2004.
- 08. Peiris T.S.G., Larref Z. and Piyasiri C.H. Forecasting national coconut production a novel approach. In Proceedings of the International Sri Lankan Statistical Conference. (Eds: Basil M. de Silva and Nitis Mukhopadhyay), 28-30 December, Post Graduate Institute of Science, University of Peradeniya, Sri Lanka, 2004.
- 09. De Alwis A.A.P. Waste Management in Sri Lanka pp 86-105, Procs of Hazardous waste: strategies for minimisationn, Dec 9-11, Ahmedabad, Gujarat, India ,2004.
- 10. Disanayake C. and Dias G. " A Market-Based Approach to control Web Bandwidth Usage", in Proc. 6th International IT Conference, Colombo, Sri Lanka, Nov 2004.
- 11. Dias W.P.S. Influence of drying on concrete sorptivity, Magazine of Concrete Research, Vol. 56, No. 9, November 2004, pp. 537-543.
- 12. Siriwardena K.K.W., Wijayatunga P.D.C. and Attalage R.A. "Sustainable Development in Electricity Generation Systems; Planning using Exergy Analysis", International Conference on Power Systems, Nepal, November 2004.

- 13. Peiris T.S.G., Wijeratne M., Aanadacumaraswamy A., Ranasinghe C. S., Jayakody A. and Fernando M.T.N. Impact of climate change in Sri Lanka on coconut and tea industry. Paper presented at the 2<sup>nd</sup> AIACC Asia and the Pacific Regional workshop on assessment of climate change impacts. 2-5 November 2004, Traders hotel, Passay City, Philippines.
- 14. Peiris T.S.G. and Kularatne J.D.J.S. Analysis of climate change in Hambantota district in Sri Lanka. In Proceedings of the International conference on Sustainable Water Resources Management in Changing Environment of the Monsoon Region (Eds: Srikantha Herath, Assela Pathirana and S. B. Weerakoon), 17-19, November 2004, BMICH, Colombo, Sri Lanka.
- 15. Tittagala S.R. Teaching Manufacturing Technology Effectively in a Diversifying Mechanical Engineering Curriculum Transactions of the Institution of Engineers Sri Lanka 2004, Vol. I Part B, October 2004, pp: 389 -397 (Received the E.O.E. Pereira Award for the Best Paper presented at the Institution of Engineers Sri Lanka, Annual Sessions 2004)
- 16. Nawagamuwa U.P. and Imai G. Influential factors of intermediate sand layers for consolidation of clayey sub-soil with vertical drains, 57th Canadian Geotechnical Conference, Quebec, Canada, 24-27th October 2004
- 17. Kumarage A.S. Bus and Rail Choice Model for the Colombo Metropolitan Region, Annual Sessions, Institution of Engineers, Sri Lanka, October 2004.
- 18. Kulathilaka S.A.S., Sagarika D.K.N.S. and Perea H.A.C. Parameters Affecting the Electro Osmotic Consolidation of Peaty Clays Paper published at the 98 th Annual Sessions of the IESL in October 2004.
- 19. Kulathilaka S.A.S, and Muhunthan A. Construction of Embankments on Soft Peaty Clays with Lightweight Fill Materials Paper published at the 98 th Annual Sessions of the IESL in October 2004.
- 20. Bandara J.M.S.J. "Urban Bus Transport" Seminar on Urban Traffic Management in Colombo and Its Suburbs, IESL, October 2004.
- 21. Muhunthan A, and Kulathilaka S.A.S. Engineering properties of Tyre Chips and Sri Lankan Lateritic Soil Mixture as a Lightweight fill Material. Paper published at the ERU symposium at University of Moratuwa in September 2004
- 22. Kumarawadu S. and Lee T.T. ``Neuroadaptive Combined Lateral and Longitudinal Control of Vehicles for IVHS," in Proc. of Joint 2nd Int. Conf. on Soft Computing and Intelligent Systems and 5th Int. Sym. on Advanced Intelligent Systems (SCIS & ISIS'04), Yokohama, Japan, Sep. 2004.
- 23. Bandara J.M.S.J. and Vidyaratne M.G.G. "Development of a Computer Based Driver Testing Programme for Sri Lanka", International Conference on Information & Communication Technology in Transport Systems in Developing Countries, University of Moratuwa, Sri Lanka, August 2004.
- 24. Bandara J.M.S.J. and Jayaratne M.D.R.P. "Accommodating Bicycle & Pedestrian Traffic in Sub Urban Areas: A GIS Based Analysis", International Conference on Information & Communication Technology in Transport Systems in Developing Countries, University of Moratuwa, Sri Lanka, August 2004
- 25. Kumarage A.S. Developing OD Passenger Matrix from Partial Loading, Boarding & Alighting Surveys for a Bus Route Corridor, International Conference on ICT in Transport, Kalutara, Sri Lanka, August 2004.

- 26. Kumarage A.S. Interactive Software Tool for Scheduling of Individual Bus Operators on Fixed Route, International Conference on ICT in Transport, Kalutara, Sri Lanka, August 2004.
- 27. Peiris, T.S.G. Short-term projections for coconut industry in Sri Lanka, Economic Review, Aug/Nov. 15-17, 2004.
- 28. Botheju P.D.C., Wijeyekoon S.L.J., Jayaweera M.W. and. Dissanayaka D.M.D.O.K.; Treatment of Silver (Ag) Containing Effluents Using Electrodialysis. Proceedings of the 10th Annual Symposium Research for Industry, August 2004, University of Moratuwa, Sri Lanka, pp1-10.
- 29. Gurusinghe P., Dias G. and Nanayakkara V. "On-the-fly Data Compression for Web Access" in Proc. 4<sup>th</sup> South Asia Network Operators Group conference (SANOG-IV), Kathmandu, Nepal, July 2004.
- 30. Nanayakkara V., Dias G. and Tafvelin S. "Analysis of persistent congestion through an empirical study" in Proc. 18<sup>th</sup> Asia-Pacific Advanced Network (APAN) Conference, Cairns, Australia, July 2004. http://www.cn.apan.net/cairns/NRW/27-Vishaka-LK.pdf
- 31. Nawagamuwa U.P. and Imai G. Influence of Intermediate sand layers on consolidation with vertical drains, 39th Japan-National Conference on Geotechnical Engineering, Niigata, Japan, 7-9th July 2004
- 32. Bandara J.M.S.J. and Kumarage K.A.S. "Modern management Practices and Their Applicability at Airports" ACI Conference on Key Concern Areas for Asian region Airports, Colombo, June 2004
- 33. Kumarage A.S. Regulatory Impediments in Land Transport Sector in Sri Lanka, Workshop on Regulatory Impact Assessment, Colombo June 2004.
- 34. Nawagamuwa U.P. and Imai G. Study of the effect of intermediate sand layers on consolidation with vertical drains, IS Osaka 2004, International Symposium on Engineering Practice and Performance on Soft Deposits, Osaka, June 2-4 2004
- 35. Dias G. and Goonetilleke A. "Development of Standards for Sinhala Computing", in Proc 1st Regional Conference on ICT and E-Paradigms, Colombo, Sri Lanka, June 2004.
- 36. Dias W.P.S. Discussion on "Mechanical Properties of old concrete using destructive and ultrasonic non-destructive testing methods by I.N. Prassianakis & P.Giokas", Magazine of Concrete Research, Vol. 56, No. 5, pp. 311-312, June 2004.
- 37. Kumarawadu S. and Lee T.T. "On the Speed Control for Automated Vehicle Operation," in Proc. of the 5th IEEE World Congress on Intelligent Control and Automation, Hangzhou, China, June 2004, pp. 2443--2448
- 38. Wijeyekoon S., Mino T., Satoh H. and Matsuo T. Effects of Substrate Loading on Biofilm Structure. Water Research, Volume 38, Issue 10, May 2004, Pages 2479-2488.
- 39. Bandara J.M.S.J. "Air Transport Infrastructure" Seminar Organized by Charted Institute of Logistics & Transport, May 2004.
- 40. Hettiarachchi S.S.L., Ratnasooriya A.H.R. Investigations of Hydraulic Conductivity for the Mathematical Modelling of Wave Action through Porous Structures, "Engineer", Journal of the Institution of Engineers, Sri Lanka, Vol xxxvii, No 2, April/Sep 2004
- 41. Kumara M.W., Gunaratne M., Lu J.J. and. Dietrich B. "Methodology for Random Surface-Initiated Crack Growth Prediction in Asphalt Pavements, Journal of Materials in Civil Engineering-ASCE, March / April 2004, Vol 16, No 2, PP 175-185.

- 41. Jayawardhana L.C., Manipura A., De Alwis A.A.P., Ranasinghe M., Abeygunawardena I. and Pilapitiya S. In need of solutions Experiences in managing solid waste in Sri Lanka, Waste Management World, March-April 2004, 66-70.
- 42. Jayawardhana L.C., Manipura A., De Alwis A., Ranasinghe M., Abeygunawardena I. and Pilapitiya S. In need of solutions experiences in managing solid waste in Sri Lanka, Waste Management World, Journal of the International Solid Waste Association, March-April 2004, pp. 66-70.
- 43. Amarasinghe B.M.W.P.K. and Gangodavilage N.C. Rice bran oil extraction in Sri Lanka: Data for process equipment design, Trans IChem, Part C, Food and Bio products processing, 82(C1), March 2004.
- 44. Nanayakkara T., Watanabe K., Kiguchi K. and Izumi K. "Evolving a multiobjective obstacle avoidance skill of a seven-link manipulator subject to constraints," International Journal of Systems Science, vol. 35, no. 3, pp. 167 177, March 2004.
- 45. Perera A.A.D.A.J. and Imriyas K. Integrated construction project cost information system using MS Access and MS Project, Construction Management and Economics, Spon Press, U.K. March 2004.
- 46. Kumarawadu S. and Lee T.T. ``A Model-Based Neurocontrol Approach for Car-Following Collision Prevention," in Proc. of IEEE Int. Conf. on Networking, Sensing and Control, Taipei, Mar. 2004, pp. 152--157
- 47. Wijeyekoon S., Mino T., Satoh H. and Matsuo T. A Conceptual Model for Biofilm Structure and Composition. Conference proceedings of the IWA 6th Specialist Conference on Small Water and Wastewater Systems, and 1<sup>st</sup> International Conference on Onsite Wastewater Treatment and Recycling held from 11-13 February in Perth, Australia. 2004.
- 48. Preethika L.U. and Bandara J.M.S.J. "Importance of Vehicle Emission Inventory fo Eco Friendly Environment", 9<sup>th</sup> Annual Forestry and Environment Symposium, University of Sri Jayawardenepura, Sri Lanka, February 2004
- 49. Sirisoma R.M.N.T. and Bandara J.M.S.J. "Methodology for Fine Tuning Primary Route Network for Regional Bus Route Network in the Western Province." IESL Transactions 2004
- 50. Perera A.A.D.A.J. and Imriyas K. KBS for Construction Cost Control, Institute of Engineers Sri Lanka, Transactions 2004.
- 51. Gamage S. and Dias G. "Web Traffic Optimization using Dynamic Bandwidth Negotiation", in Proc. Engineering Research Unit Symposium, University of Moratuwa, 2004
- 52. Dias.W.P.S. and Pooliyadda S.P. Quality based energy contents and carbon coefficients for building materials: A systems approach, Energy, Vol. 29, No.4, 2004, pp. 561-580.
- 53. Wijeyekoon S.L.J., Jayaweera M.W., Dissanayaka D.M.D.O.K and Botheju P.D.C. Recovery of Silver (Ag) from Synthetic Silver Solutions Imitating Photographic Effluents, Using Electrodialysis. The Institution of Engineers, Sri Lanka Transactions 2004, Volume 1, Part B, pp273 281, 2004.
- 54. Subakaran S., Wijeyekoon S. and De Alwis A.A.P. The Hazardous Waste Tracking System HazNet. The Institution of Engineers, Sri Lanka Transactions , Volume 1, Part B, pp357 363, 2004.

- 55. Sirisoma R.M.N.T. and Bandara J.M.S.J. Methodology for Fine Tuning Planning Primary Route Network for Regional Bus Route Network in the Western Province, Institution of Engineers Sri Lanka, Annual Sessions 2004
- 56. Peiris T.S.G., Fernando M.T.N. and Samarajeewa S. Factors influencing the use of coconut oil by the householders in Sri Lanka and their policy relevance to popularize the consumption, International Journal of Coconut Research & Development (Cord), Indonesia. 20 (2), 12-20, 2004.
- 57. Piyasiri C.H., Peiris T.S.G. and Samita S. Change in rainfall and temperature of Low Country Wet Intermediate (IL1) Region of Sri Lanka. Journal of Tropical Agricultural Research, 16, 271-280,2004.
- 58. Peiris T.S.G., Fernando M.T.N. and Samarajeewa S. Economic loss of the mite infection of coconut to individual farmers in Puttalam district: Preliminary findings. J. of National Institute of Plantation Management, 19 (2), 60-66,2004.
- 59. Peiris T.S.G. Forecasting coconut production: issues, approaches, and challenges. In Proceedings of the International Conference of Coconut Research Institute of Sri Lanka Part I (Review papers and guest presentations), 111 147 (Eds: T S G Peiris and C S Ranasinghe). The Coconut Research Institute of Sri Lanka, Lunuwila 61150, Sri Lanka, 2004.
- 60. Peiris T.S.G. and Ranasinghe C.S. Preceding I (Reviews & Invited Papers) of the International Conference of the CRISL: Tree of Life New Trends in the Millennium 1-281 pp. ISBN: 955-9013-03-3, 2004.
- 61. Peiris T.S.G. and Ranasinghe C.S. Abstracts of International Conference of CRISL 1-85, 2004.
- 62. Welideniya H.S. and Indraratna P. The impact of joint orientation and the confining stress on the shear behaviour of graphite infilled joints. "To the eNZ of the Earth" The 9<sup>th</sup> Australia New Zealand Conference on Geomechanics, Auckland, New Zealand, pp. 253-259,2004.
- 63. Wickramasinghe G.L.D. and Foster P.W. Investigation of the use of steam as an alternative fluid for air in air-jet texturing, Polymer Fibres 2004, Manchester, U.K., 2004
- 64. Wickramasinghe G.L.D. and Foster P.W. Steam as an alternative fluid for air in air-jet intermingling, Research for industry, Proceedings of the 10<sup>th</sup> Annual Symposium, Engineering research unit, University of Moratuwa, Sri Lanka, 2004
- 65. Fernando M.S.D. ELearning and Quality University Environment: A better Mix of Technology based Learning and Administration with Traditional University Setting", Conference Proceedings, IRMA International Conference, New Orleans, LA, USA, 2004.
- 66. Fernando M.S.D. "Building a Framework for Evolutionary Course Development in Transitional Countries: An IT Aligned Learning Objects based Approach", Conference Proceedings, ICCE2004: International Conference on Computers in Education, Melbourne, Australia ,2004.
- 67. Fernando M.S.D. "Designing Learning Objects for IT Industry Participation in Evolutionary Course Development for IT Universities in Transitional Countries", Conference Proceedings, CISTM2004: Conference on Information Science, Technology Management, Alexandria, Egypt ,2004.

- 68. Akuratiyagamage V.M. and Opatha H.H.D.N.P. "Grievances of Middle Managers: An Empirical Investigation into Perceptions of Commercial Bank Branch Managers in Sri Lanka", Journal of Management Research, 2:2, 92-112, 2004.
- 69. Aravinthan A. and Nanayakkara T. "Implementing Behavior Based Control in an Autonomous Mine Detecting Robot (AMDR)", Engineering Research Unit Symposium, University of Moratuwa, 2004.
- 70. Aravinthan V., Nanayakkara V., Dayawansa I.J. "Adaptive Resonance Theory based Neural Network approach for Signal distribution in VLF metal detectors", IEE Annual Conference, Sri Lanka Section, 2004.

- 01. Bandara J.M.S.J. and Katugampola P.I. "Use of Mathematical Modeling for Planning Regional Solid Waste Management Systems", Proceedings of the workshop on Sustainable Landfill Management, Anna University Chennai, India, pp 319-326, December 2003.
- 02. Jayawardane A.K.W. Corporate Planning An Institutional View, Workshop on National Plan for Universities, organised by the UGC, Taj Samudra 11<sup>th</sup> Dec. 2003
- 03. Edirisinghe J. and Ranasinghe M. Conservation of historical buildings in urban settings, 9<sup>th</sup> International Conference on Sri Lankan Studies, November 2003, pp. 120.
- 04. Kugan R., Puswewala U.G.A., Kulathilaka S.A.S. and Peiris T.A. Peaty Clay Improvement With Prefabricated Vertical Drains Paper published at the 97 th Annual Sessions of the IESL in October 2003.,
- 05. Ranasinghe K.A.M.K. and Bandara J. M. S.J. "Implementing Modular Based Semester System at the Faculty of Engineering University of Moratuwa", Proceedings of the International Seminar on Economic Advancement based on the Knowledge Society Role of the Engineer in a Developing Country, Institute of Engineers, Sri Lanka, pp. 37-43, October 2003
- 06. Bandara J.M.S.J. and Ranasinghe K.A.M.K. "Student administration in Modular Based Semester System Experience in the Faculty of Engineering University of Moratuwa", Proceedings of the International Seminar on Economic Advancement based on the Knowledge Society Role of the Engineer in a Developing Country, Institute of Engineers, Sri Lanka, pp. 44-47, October 2003.
- 07. Ranasinghe M. and Bandara J.M.S.J. Implementing Modular based Semester System at the Faculty of Engineering University of Moratuwa, International Seminar on Economic Advancement based on the Knowledge Society Role of the Engineer in a Developing country, 97<sup>th</sup> Annual Sessions, Institution of Engineers, Sri Lanka, October 2003, pp 37-43.
- 08. Bandara J.M.S.J and Ranasinghe M. Student Administration in Modular Based Semester System: Experience in the Faculty of Engineering University of Moratuwa, International Seminar on Economic Advancement based on the Knowledge Society Role of the Engineer in a Developing country, 97<sup>th</sup> Annual Sessions, Institution of Engineers, Sri Lanka, October 2003,44-47.
- 09. Tilak S.D.L. and Ranasinghe M. Host Country Index for Investments In Infrastructure Projects, Annual Transactions, Institution of Engineers, Sri Lanka, October2003, Vol. 1 Part B, pp. 38-45.

- 10. Hemadasa H.B. and Ranasinghe M. Is the Environment the Fourth Construction Objective? A Sri Lankan Perspective, Annual Transactions, Institution of Engineers, Sri Lanka, October2003 Vol. 1 Part B, pp. 196-201,
- 11. Ranasinghe M. and Tilak S.D.L. Host Country Requirement Index: Decision Making Model For Investments In Infrastructure Projects, Knowledge Construction Joint International Symposium of CIB Working Commissions W55, W65 and W 107, Singapore, October 2003, pp. 626-635.
- 12. Ranasinghe M. and Perera M.S.U. Private Sector Participation in the Rehabilitation of Water Resources Projects, Knowledge Construction Joint International Symposium of CIB Working Commissions W55, W65 and W 107, Singapore, October2003, pp. 636-645.
- 13. De Silva N., De Silva C., Leong C. and Ranasinghe M. RBF Model for Contingency Allocation to Construction, Knowledge Construction Joint International Symposium of CIB Working Commissions W55, W65 and W 107, Singapore, October, 2003, pp. 695-706.
- 14. Bandara J.M.S.J. "National air transport development strategy for Sri Lanka to link with the global logistic chain", 9<sup>th</sup> International Conference, Chartered Institute of Logistics & Transport, October 2003.
- 15. Kulathilaka S.A.S, and Muhunthan A. Use of Light weight Fill in Constructions on Soft Peaty Clays Paper published at the 97 th Annual Sessions of the IESL in October2003, pp 93-101,.
- 16. Kulathilaka S.A.S Optimum Geometric Shapes for Gravity Retaining Structures Paper published at the 97 th Annual Sessions of the IESL in October2003, pp 101 110...
- 17. Takemura J., Nawagamuwa U.P. and Priyankara N.H. Numerical and Laboratory Studies of Cavity Expansion Analysis using Cone Penetration Resistance, International Workshop on Prediction and Simulation Methods in Geomechanics, Athens, Greece, 14-15th October, 2003
- 18. Gunawardena N.D. and Jayawardane. A.K.W. Some important characteristics of administrators and professionals in the construction industry: A comparative study, Annual Sessions of the IESL, October 2003.
- 19. Shantha M., Fernando D. and Dias G. "Link Cost Optimization through Link Utilization Maximization" in Trans. IEE Sri Lanka Vol 5, No. 1, pp 75-79, September 2003. refereed journal
- 20. Ariyaratne P., Dias G. and Dias D. "Implementation of a full-featured IP Telephone System" in Trans. IEE Sri Lanka Vol 5, No. 1, pp 87-95, September 2003. refereed journal
- 21. Tittagala R.S., Arunajith H.D.M, .Karunarathne K.W.D. and Warnakulasooriya F.S.K. Gravity Die Casting as an Alternative Route for the Manufacture of Tyre Moulds Proceedings of the ERU Symposium on 'Research for Industry 2003', September 2003, University of Moratuwa
- 22. Wickremanayake P.N., Gunaratna P.P., Fernando M.M.G.S. and Ratnayake I. "The Coastal Wave Climate of Sri Lanka: Measurements and Modelling", Sixth International Conference on Coastal and Port Engineering in Developing Countries, Colombo, Sri Lanka, September, 2003.

- 23. Kulathilaka S..A..S. and Sagarika D.K.N.S. Compressibility Characteristics of Electrically Treated Peaty Clays Paper published at the ERU symposium at University of Moratuwa September 2003.,
- 24. Kugan R., Puswewala U.G.A., Kulathilaka S.A.S and Peiris T. A. Consolidation Testing of Peaty Clay Paper published at the ERU symposium at University of Moratuwa September 2003.,
- 25. Dias W.P.S. Influence of mix and environment on plastic shrinkage cracking, Magazine of Concrete Research, Vol. 55, No. 4, August 2003, pp. 385-394,.
- 26. Kulathilaka S.A.S. and Mettananda D.C.A. Assessment of the Stabilization of Some Sri Lankan Slopes by the Probabilistic Approach Paper published at the 12 th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering to be held in Singapore in August 2003, pp 961-964.
- 27. Karunawardana W.A. and Kulathilaka S.A.S. Field Monitoring of a Fill on Peaty Clay and its Monitoring Paper published at the 12 th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering to be held in Singapore in August 2003, pp 159-162.
- 28. Munasinghe W.G.S. and Kulathilaka S.A.S. Modelling the Consolidation behaviour of Peat and Improvements Paper published at the 12 th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering to be held in Singapore in August 2003, pp 175 -178.
- 29. Jayaweera M.W., Wijeyekoon S.L.J., Hirimburegama K., Kasturiarachchi J.C. and. Fernando P.U.D. Removal of Nitrogen and Phosphorus from Wastewaters by Phytoremediation Using Water Hyacinth. Proceedings of the 9<sup>th</sup> Annual Symposium Research for Industry 2003, August 2003. University of Moratuwa, Sri Lanka, pp1-17.
- 30. Jayaweera M.W., Gamage N.P.D., Wijeyekoon S.L.J. and Dilhani J.A.T. Optimization of Biogas Production Using Water Hyacinth. Proceedings of the 9<sup>th</sup> Annual Symposium Research for Industry 2003, August 2003, University of Moratuwa, Sri Lanka, pp1-19.
- 31. Wijeyekoon S.L.J., Hettiarachchi I.U. and Senewiratne W.M.G. Kinetic Coefficients For Anaerobically Pretreated Crepe Rubber Effluent And Optimization Of Activated Sludge Process By Kinetic Modeling. Proceedings of the 9<sup>th</sup> Annual Symposium Research for Industry 2003, August 2003 University of Moratuwa, Sri Lanka, pp1-9.
- 32. Wijeyekoon S., Dissanayaka D.M.D.O.K., Jayaweera M.W. and. Gunawardhana W.D.D.H Study on the Suitability of Cation Selective Membrane and the Effect of Current Density for Electrodialitic Removal of Heavy Metal Ions. Proceedings of the 9<sup>th</sup> Annual Symposium Research for Industry 2003, August 2003 University of Moratuwa, Sri Lanka, pp1-10.
- 33. Madanayaka O.C., Jayawardane A.K.W. and Wickramarachchi N. Critical factors for the adoption of groupware technologies by organizations in Sri Lanka, Proceedings of ERU Symposium, August. 2003.
- 34. Bandara J.M.S.J. "Road Safety Improvements through Design Standards", Seminar on standardization of the designs, construction and maintenance of road works in Sri Lanka, August 2003.
- 35. Bandara J.M.S.J. "Energy Efficiency in Transport Transport Policies & Related Case Studies", Sri Lanka Energy Managers Association, Annual Sessions, July 2003.
- 36. Jayawardane A.K.W. Project Time Management, Seminar organised by the IEEE, 29<sup>th</sup> July 2003, Hotel Galadari.

- 37. Nawagamuwa U.P. Cavity Expansion Analysis for Sand Compaction Piles, 38th Japan-National Conference on Geotechnical Engineering, Japan, 2-4th July 2003
- 38. Nawagamuwa U.P. Takemura J. and Priyankara N.H. Cavity Expansion Analysis to Evaluate Mechanical Properties of Sand Compaction Piles, The Fifth International Summer Symposium, Japan Society of Civil Engineers (JSCE), Tokyo, 26th July 2003
- 39. Dias W.P.S., Nanayakkara S.M.A. and Ekneligoda T.C. Performance of concrete mixes with OPC-PFA blends, Magazine of Concrete Research, Vol. 55, No. 2, April ,2003, pp. 161-170.
- 40. Dias W.P.S. Some properties of plasticised mortars used as plasters, Engineer, Vol. 36, No. 2, April 2003, pp. 20-2.
- 41. Kulathilaka S.A.S. Use of Electro-Osmosis Technique for the Improvement of in Sri Lanka An Invited Paper to be published at the Symposium on Advances in Geotechnical Engineering held at Indian Institute of Technology, Kanpur in March 2003.,pp 183-193
- 42. Perera A. "Monitoring & Controlling Project Costs", Seminar on Project Management: Adding Value & Producing Results, March 2003.
- 43. Bandara J.M.S.J. "Potential of GIS for operation & investment planning in the transport sector", Seminar on Geoinformatics applications for decision making and resource management in private & public organizations, ICGAT, University of Moratuwa, February 2003.
- 44. Bandara J.M.S.J. "Safety & Comfort Issues in Public Transport" SLFI, Feb 2003,
- 45. Bandara J.M.S.J., "Accidents & Road Geometries" Panel Discussion, SLAICE & IESL, IESL auditorium, January 2003.
- 46. Bandara S. Traffic Impact Analysis for a proposed police central welfare centre at Olcott Mawatha, University of Moratuwa, January 2003.
- 47. Kumarawadu M., Watanabe M., Kiguchi K. and Izumi K. ``A Neural-Net Switching Controller for Partly Known Robot Systems with Guaranteed Tracking Performance," in Proc. of 8th Int. Symposium on Artificial Life and Robotics (AROB'03), Oita, Japan, Jan. , pp. 613-616, 2003.
- 48. Amarasiri R. and Dias G. "Developing High Performance Web Applications Using Open Source Products: A Case Study" in Proc. Computer Association of Nepal IT Conference 2003 in conjunction with South Asia Network Operators Group (SANOG), Katmandu, Nepal,

  January 2003://www.itconference.org.np/itconference03/papers/DEVELOPING\_HIGH\_PERFO RMANCE.zip
- 49. Amarasiri R. and Dias G. "Understanding and Reducing Web Delays" in Proc. Computer Association of Nepal IT Conference 2003 in conjunction with South Asia Network Operators Group (SANOG) Katmandu, Nepal, January. http://www.itconference.org.np/itconference03/papers/UNDERSTANDING\_AND\_RED UCING .zip
- 50. Disanayaka R., Pushpakumara P. and Dias G. "A Tool to Measure and Compare HTTP Performance" in Proc. Computer Association of Nepal IT Conference 2003 in conjunction with South Asia Network Operators Group (SANOG) Katmandu, Nepal, January

  2003. http://www.itconference.org.np/papers/PAPERTOSANOG.PDF

- 51. Disanayaka R., Pushpakumara P. and Dias G. "A comparision of HTTP Performance under Different Conditions." in Proc. I T Conference 2003, Kathmandu, Nepal, January 2003. http://www.itconference.org.np/papers/PAPERTOSANOG.PDF
- 52. Perera M.S.U. and Ranasinghe M. Private Sector Participation in the Rehabilitation of Irrigation Projects, Engineer, Journal of the Institution of Engineers, Sri Lanka, Vol. XXXVI, No. 2, pp. 35-45,2003.
- 53. Kumarawadu S., Watanabe K., Kiguchi K. and Izumi K. ``A Neural-Net Switching Controller for Partly Known Robot Systems with Guaranteed Tracking Performance," in Proc. of 8th Int. Symposium on Artificial Life and Robotics (AROB'03), Oita, Japan, Jan. 2003, pp. 613-616,.
- 54. Dias W.P.S. Heidegger's relevance for engineering: Questioning technology, Science and Engineering Ethics, Vol. 9, No. 3, pp. 389-396, 2003.
- 55. Jayawardhana L.C., Manipura A., Ranasinghe M., Pilapitiya S., De Alwis A.A.P. and Abeygunawardena I. BESTCOMP: Expert system for Sri Lankan solid waste composting, J of Expert Systems with Applications, 24, 281-286, 2003.
- 56. Subakaran S., Wijekoon S. and De Alwis A.A.P. HAZNET: Hazrdous waste generation and tracking system, IESL, Engineer Transactions 2003
- 57. Jayawardane A.K.W. and Pandita H.G.W. Understanding and mitigating the factors affecting construction delays, Engineer, Journal of the IESL, Vol. XXXVI No. 2.2003
- 58. Dias W.P.S. and Jayanandana A.D.C. Condition assessment of a deteriorated cement works, ASCE Journal of Performance of Constructed Facilities, Vol. 17, No. 4, pp. 188-195, 2003.
- 59. Perera A.A.D.A.J. and Jayasinghe C. Strength characteristics and structural design methods for compressed earth block walls, Masonry international, Journal of The British Masonry Society, Vol 16, No.1 1-38, 2003.
- 60. Perera A.A.D.A.J. and Imriyas K. KBS for Construction Cost Control, The Association for the Advancement of Cost Engineers, USA, 2003
- 61. Kumara M.W., Tia M., Wu C-L. and. Choubane B. "Evaluation of Applicability of Ultrathin Whitetopping in Florida, Journal of Transportation Research Board, TRR, No 1823, PP 39-46, 2003
- 62. A computerised inspection system for the analysis of fabric defects and grading,. Niles S.N., Fernando S. and Lanarolle W.D.G, Asian Textile Conference, 2003.
- 63. Indraratna B. and Welideniya H.S. Shear behaviour of graphite infilled joints based on Constant Normal Stiffness (CNS) test conditions. Proc. 10<sup>th</sup> Congr., Int. Soc. Rock Mech. Technology roadmap for rock mechanics, Johannesburg, Vol. 1, pp. 569-574.,2003.
- 64. Wickramasinghe G.L.D. and Foster P.W. False-twist Texturing, A New Approach, Spring symposium, Advanced flexible materials and structures; Engineering with fibres, Fibre Society Conference, Loughborough, U.K., 2003.
- 65. Wickramasinghe G.L.D. and Foster P.W. Water/Air-jet Intermingling, A New Approach, Spring symposium, Advanced flexible materials and structures; Engineering with fibres, Fibre Society Conference, Loughborough, U.K., 2003.
- 66. Wickramasinghe G.L.D., Foster P.W., Gunasekara U.S.W. and Cork C.R. High speed False-twist yarn Texturing, Final technical report to TEMCO Textilmaschinenkomponenten Gmbh, Hammelburg, Germany, 2003.
- 67. Wickramasinghe G.L.D., Foster P.W. and Wickramasinghe G.L.D. Steam-jet intermingled sewing threads, The Draper's company, Newsletter No. 32, Spring 2003.

- 68. Nanayakkara T., Watanabe K., Kiguchi K. and Izumi K. "Evolutionary Dynamics Identification of Multi-Link Manipulators Using Runge--Kutta--Gill RBF Networks," Soft Computing in Measurement and Information Acquisition, Edited by L. Reznik and V. Kreinovich, Physica-Verlag, pp.208--222, 2003.
- 69. Fernando L.C.P., Aratchige N.S. and Peiris T.S.G. Distribution patterns of coconut mite, Aceria guerreronis and its predator Neoseiulus aff. paspalivorus in coconut palms. J. of Experimental and Applied Acarology. 31, 71-78,2003.
- 70. Bandara J.M.S.J. and Ekanayake I. A. B. "Train Scheduling Simulation that Minimizes Operation Conflicts due to Service Constraints", <u>Journal of Advanced Transportation</u>, V37, No. 2, pp 211-230, 2003.
- 71. Nanayakkara T. and Shadmehr R. "Saccade Adaptation in Response to Altered Arm Dynamics", Journal of Neurophysiology, 90:4016-4021, 2003.
- 72. Kiguchi K., Nanayakkara T., Watanabe M. and Fukuda T. "Multi-Dimensional Reinforcement Learning Using a Vector Q-Net Application to Mobile Robots", International Journal of Control, Automation and Systems, vol.1, no.1, pp.142-148, 2003.
- 73. Cooray T.M.J.A. Sinhala Translation of Advanced Mathematics for Engineers (Volume 1) 2003
- 74. Fernando M.S.D. Effective use of eLearning in the Sri Lankan University Context: Strategies and Policies", IEE Sri Lanka 10th Annual Conference, Colombo ,2003.
- 75. Akuratiyagamage V.M. "International Business and Transfer of Management Development Practices: Evidence from Sri Lanka", Proceedings of 1<sup>st</sup> International Conference on Business Management of Developing Countries. Faculty of Management Studies and Commerce, University of Sri Jayewardenepura, Sri Lanka., 2003.
- 76. Akuratiyagamage V.M. and Opatha H.H.D.N.P. "Grievances of Local Commercial Bank Branch Managers: Perceptions of Bank Branch Managers' in Colombo District', Proceedings of 1<sup>st</sup> International Conference on Business Management of Developing Countries. Faculty of Management Studies and Commerce, University of Sri Jayewardenepura, Sri Lanka., 2003.
- 77. Akuratiyagamage V.M. "Formal Processes of Managerial Learning: A Comparison of Management Development Practices across Foreign, Joint-venture and Local Companies", Proceedings of 2<sup>nd</sup> Annual Research Sessions. Faculty of Management and Finance, University of Colombo, Sri Lanka, 2003.

- 01. Document Classification with the Reccommendation Architecture: Extensions for Feature Intensity Selection and Column Labeling, Ratnayake U., Gedeon T.D. and Wickramarachchi N. Proc. of the 7th Australian Document Computing Symposium, Sydney, Australia, December 2002.
- 02. Bandara J.M.S.J. and Sirisoma R.M.N.T. Methodology for Planning Primary Route Network of a Regional Bus Service in a Developing Country, Croucher Advanced Study Institute (ASI) Workshop in Transport Planning in the Polytechnic University of Hong Kong, December 2002
- 03. Kulathilaka S.A.S. Overcoming Problems due to Peaty Clays in Sri Lanka An Invited Paper published and presented at the Indian Geotechnical Conference held in Allahabad, India in December 2002.,pp 830-839.

- 04. Judith H.L.D.M.A. and Bandara J.M.S.J. "Future of Bitumen Emulsion as an Environmental Friendly Road Construction Material" 8<sup>th</sup> Annual Forestry and Environment Symposium, University of Sri Jayawardenepura, Sri Lanka, December 2002.
- 05. Bandara S. Traffic Impact Analysis for the Proposed Entertainment Complex At Dharmapala Mawatha, December 2002.
- 06. Bandara S. Traffic Impact Analysis for a proposed school development, Stafford International School, Colombo 7, December 2002
- 07. Perera A.A.D.A.J. and Imriyas K. "Fuzzy approach to streamline cumbersome in project cost management on construction sites", 58<sup>th</sup> Annual Session, Sri Lanka Association for the Advancement of Science December 2002.
- 08. Bandara J.M.S.J. "Road Safety & Road User's Responsibility", Plenary Lecture, Annual Scientific Sessions of Medico-Legal Society of Sri Lanka, SLIDA Auditorium, November 2002.
- 09. Bandara J.M.S.J. "Improving Safety on Roads, Road User Aspects", Consultative Workshop to Formulate Strategic Plan for Improving Safety on Roads, SLFI, October 2002.
- 10. Bandara J.M.S.J. "Policy to Take Advantage of Global Aviation Business for Sri Lanka", 15<sup>th</sup> Annual Sessions of Charted Institute of Logistic and Transport Sri Lanka, October 2002.
- 11. Theoretical analysis into the yarn demand rate fluctuation and the run-in yarn tension fluctuation in knitting, Lanarolle G., .Dias T. and .Porat I. 'World Congress Knitting for the 21<sup>st</sup> Century', October 2002, Manchester, UK.
- 12. Jayasekera K.G.C., Perera K.K.C.K. and Attalage R.A. Bio-mass co-generation towards sustainable development, Proceedings of the International Seminar on The Engineer in sustainable social and economic development Regional contribution towards agenda 21, 96<sup>th</sup> annual sessions of the IESL, October 2002.
- 13. Mettananda D.C.A. and Kulathilaka S.A.S, Use of Probabilistic Concepts in Slope Engineering published in the Proceedings of the Institution of Engineers Sri Lanka in October 2002
- 14. Perera A.A.D.A.J. "Cost Control", Seminar on Computer Applications for Project Management", North Central Province Centre, Institution of Engineers, Sri Lanka, October 2002.
- 15. Peiris T.S.G. Effect of temporal scale aggregation on climate change studies". Proceeding of the International Workshop on Regional Integrated Assessment of Climate Impacts held at the IL\_CIOCCO Hotel, 16-20 September2002, Castelvecchio Pascoli, Italy.
- 16. Kumarawadu S., Watanabe K., Kiguchi K. and Izumi K. "Neural Network-Based Optimal Adaptive Tracking Using Genetic Algorithms," in Proc. of the 4th Asian Control Conference (ASCC'02)}, Singapore, Sep. 2002, pp. 105-110
- 17. Dias W.P.S., Nanayakkara S.M.A., Seneviratne G.A.P.S.N. and Nanthanan T. Properties of concrete and plaster made using offshore sand, manufactured sand and quarry dust, submitted to Coastal Resources Management Project, Sri Lanka, September 2002.
- 18. Kumarawadu S., Watanabe K., Kiguchi K. and Izumi K. "Neural Network-Based Optimal Adaptive Tracking Using Genetic Algorithms," in Proc. of the 4th Asian Control Conference (ASCC'02)}, Singapore, Sep. 2002, pp. 105-110.

- 19. Ariff G., Donchin O., Nanayakkara T. and Shadmehr R. "A Real-Time State Predictor in Motor Control: Study of Saccadic Eye Movements During Unseen Reaching Movements," Journal of Neuroscience, vol. 22, no. 17, pp. 7721-7729, Sept. 2002.
- 20. Bandara J.M.S.J. "Options Available to Improve Public Transportation In Sri Lanka", Invited Lecture organized by the Sri Lanka Foundation Institute, August 2002.
- 21. Jayawardhana L C., Manipura A., De Alwis A., Pilapitiya S., Ranasinghe M. and Abeygunawardena I. IT for solid waste management: knowledge bases for data poor environment, Proceedings of the 21<sup>st</sup> International IT Conference, Colombo, Sri Lanka, August 2002, pp. 173-176.
- 22. Jayawardhana L.C., Manipura A., De Alwis A., Pilapitiya S., Ranasinghe M. and Abeygunawardena I. An Information Technology (IT) approach in developing a solution to Local Environmental Problem, Proceedings of the 8<sup>th</sup> Annual Symposium of the Engineering Research Unit, University of Moratuwa, Sri Lanka, August 2002.
- 23. Manipura A., Jayawardhana L.C., De Alwis A., Pilapitiya S., Ranasinghe M. and Abeygunawardena I. BIOCOM MSW: A composting system for Sri Lankan solid waste management, Proceedings of the 8<sup>th</sup> Annual Symposium of the Engineering Research Unit, University of Moratuwa, Sri Lanka, August 2002.
- 24. Madanayaka O.C., Jayawardane A.K.W. and Wickramarachchi N. Business Process Re-Engineering with IT as a Tool, Proceedings of ERU Symposium, August. 2002
- 25. Judith H.L.D.M.A. and Bandara J.M.S.J. "Optimum Quantities of Materials to be Used for Surface Dressings in Sri Lanka", Proceedings, 8<sup>th</sup> annual symposium, Research for Industry, Engineering Research Unit, University of Moratuwa. August 2002
- 26. Sirisoma R.M.N.T., Bandara J.M.S.J. and Kumarage A.S. "Development of a Methodology for Bus Route Network Analysis for the Western Province", Proceedings, 8<sup>th</sup> annual symposium, Research for Industry, Engineering Research Unit, University of Moratuwa. August 2002.
- 27. Dias G. and Gunaratne C. "Using Dynamic Delay Pools for Bandwidth Management", in Proc. 7th International Workshop on Web Content Caching and Content Distribution, Boulder, CO, U.S.A., August 2002.
- 28. Dias W.P.S. and Ekanayake E.S. Engineering and society the power of analogy, ICE Proceedings on Civil Engineering, ICE Proceedings on Civil Engineering, Vol. 150, No. 3, August 2002, pp. 134-139.
- 29. Kulathilaka S.A.S. and Mettananda D.C. A. Assessment of Slope Stabilization Techniques through Probabilistic Approach. In the Proceedings of the Engineering Research Unit Symposium at University of Moratuwa in August 2002
- 30. Amarasinghe B.M.W.P.K. and Gangodavilage N.C. Effect of Operation Conditions on Rice Bran Oil Extraction and Equilibrium Data for Design Calculations, 2<sup>nd</sup> world Engineering Congress, Kuching, Malaysia, July 2002.
- 31. Kulathilaka S.A.S. and Mettananda D.C.A. Development of Analytical and Physical Models to Study the Effectiveness of Soil Nailing Technique for the Stabilisation of Slopes in Sri Lanka published in the Proceedings of the 3 rd International Conference on "Landslides Slope Stability and the Safety of Infrastructure" in Singapore, in July 2002. pp 309-316

- 32. Mettananda D.C.A . and Kulathilaka S.A. S. Dependence of Probabilistic Evaluation of Slope Stability on the Deterministic Model published in the Proceedings of the 3 rd International Conference on "Landslides Slope Stability and the Safety of Infrastructure" in Singapore in July 2002. pp 333-340
- 33. Peiris T.S.G. and Riley J. Aggregation of multidisciplinary indicators in space. Proceeding of the International Biometrics Conference held during 21–26 July2002, Freiburg, Germany.
- 34. Peiris T.S.G., Pramudita W. and Abenayake R. Reduction of experimental error in coconut trials. Proceeding of the International Biometrics Conference held on 21 26 July2002, Freiburg, Germany.
- 35. Wirasinghe S.C. Quain G.J., Vandebona U. and Bandara J.M.S.J. "Optimum Terminus Location for a Rail Line with Many to Many Travel Demand", Transportation & Traffic Theory in the 21<sup>st</sup> Century, Proceedings of the 15<sup>th</sup> ISTTT, Pergamon Press, pp 75-98, July 2002
- 36. Bandara J.M.S.J. Minimizing Transport Related Environmental Problems, Proceedings of the CES Annual Seminar, Future of National Transport in Sri Lanka, University of Peradeniya, July 2002, (published, sole author)
- 37. Nanayakkara T., Kiguchi K., Murakami T., Watanabe K. and Izumi K. "Enhancing the Autonomy of Teleoperated Redundant Manipulators Through Fusion of Intelligent Control Modules," International Journal of Robotics and Mechatronics, vol.14, no.3, pp.534-545, June, 2002.
- 38. Maduwage S., Amarasinghe A.D.U.S. and Munindradasa D.A.I. 'Devulcanization of Sulfur Vulcanized Natural Rubber Using Ultrasonic Technology" ERU Symposium, University of Moratuwa, 2002
- 39. Kumarawadu S., Watanabe K., Kiguchi K. and Izumi K. "Partitioned NN-Based Control with Guaranteed Tracking Performance", in Proc. of International Symposium on Advanced Control of Industrial Processes (AdCONIP'02), Kumamoto, Japan, June 2002, pp. 507-512.
- 40. Kumarawadu S., Watanabe K., Kiguchi K. and Izumi K. `Partitioned NN-Based Control with Guaranteed Tracking Performance", in Proc. of International Symposium on Advanced Control of Industrial Processes (AdCONIP'02), Kumamoto, Japan, June 2002, pp. 507-512
- 41. Jayawardane A.K.W. Management of Technology: Principles and Strategies, In workshop Towards an IT driven Electronic Industry in Sri Lanka, 26<sup>th</sup> June 2002, BMICH Colombo
- 42. Jayawardhana L.C., Manipura A., De Alwis A., Pilapitiya S., Ranasinghe M. and Abeygunawardena I. BESTCOMP An expert system for solid waste composting, Proceedings of the International Symposium on Composting and Compost Utilization, Columbus, Ohio, USA, May 2002.
- 43. Kumarawadu S., Watanabe K., Kiguchi K. and Izumi K. ``Adaptive Output Tracking of Partly Known Robotic Systems Using SoftMax Function Networks", in Proc. of IEEE World Congress on Computational Intelligence, Honolulu, Hawaii, May 2002. pp. 483-488 (IJCNN'02).
- 44. Kumarawadu S., Watanabe K., Kiguchi K. and Izumi K., ``Adaptive Output Tracking of Partly Known Robotic Systems Using SoftMax Function Networks", in Proc. of IEEE World Congress on Computational Intelligence, Honolulu, Hawaii, May 2002. pp. 483-488 (IJCNN'02).

- 45. Munasinghe W.G.S. and Kulathilaka S.A.S. Modelling the Consolidation Behaviour of Peat and Improvements Published in the Proceedings of the Conference on Ground Improvement Techniques –Organised by the Sri Lankan Geotechnical Society May 2002 in Colombo pp 1-10
- 46. Karunawardana W.A. and Kulathilaka S.A.S. Improvement of Engineering Properties of Peat by Preconsolidation A Comparison of Field and Laboratory test Results Published in the Proceedings of the Conference on Ground Improvement Techniques Organised by the Sri Lankan Geotechnical Society May 2002 in Colombo pp11-20
- 47. Nawagamuwa U.P. Cavity Expansion Analysis on Cone Penetration Resistance of Sand Compaction Piles, MEng Thesis, AIT, Thailand, April 2002
- 48. Bandara J.M.S.J. "How Safe our Road Environment", Seminar on Safe Road Environment, SLAAS, April 2002.
- 49. Wijeyekoon S. Evaluation of the Electrodialysis Technique for Heavy Metal Concentration in Industrial Wastewater, Preliminary Workshop on "Heavy Metal Removal from Industrial Wastewaters and Hazardous Waters in Sri Lanka" workshop organized by University of Moratuwa, coordinated by Asian Institute of Technology, Bangkok and funded by the Swedish International Development Cooperation Agency on 02<sup>nd</sup> March 2002 at the Taj Samudra Hotel Colombo
- 50. Jayawardhana L.C., Manipura A., De Alwis A., Pilapitiya S., Ranasinghe M. and Abeygunawardena I. Knowledge based management of Solid Waste for Sri Lanka, The 6th World Congress on Integrated Resources Management, Geneva, Switzerland, February 2002.
- 51. Manipura A., Jayawardhana L.C., De Alwis A., Pilapitiya S., Ranasinghe M. and Abeygunawardena I. Analysis & development of High Rate Composting System using MSW in Sri Lanka, The 6<sup>th</sup> World Congress on Integrated Resources Management, Geneva, Switzerland, February 2002.
- 52. Jayawardhana L.C., Manipura A., De Alwis A., Pilapitiya S., Ranasinghe M. and Abeygunawardena M. Knowledge based management of solid waste for Sri Lanka, Proceedings of the 6<sup>th</sup>World Congress on Integrated Resources Management, Geneva, Switzerland, February 2002.
- 53. Manipura A., Jayawardhana L.C., De Alwis A., Pilapitiya S., Ranasinghe M. and Abeygunawardena I. Analysis and development of high rate composting system using MSW in Sri Lanka, Proceedings of the 6<sup>th</sup>World Congress on Integrated Resources Management, Geneva, Switzerland, February 2002.
- 54. Kumarawadu T., Watanabe K., Kiguchi K. and Izumi K. ``Growing Neural Networks for Compensating Dynamic Uncertainties in Visual Tracking Problem", in Proc. of 7<sup>th</sup> Int. Symposium on Artificial Life and Robotics (AROB'02)}, Oita, Japan, Jan. 2002, pp. 409-412.
- 55. Bandara J. M. S. J. and Sirisoma. R. M. N. T. "Methodology for Planning Primary Route Network of a Regional Bus Service in a Developing Country" Workshop proceedings Advanced modeling for Transit Operations and Service Planning, pp E1-E12, The Hong Kong Polytechnic University, Hong Kong 2002.
- 56. Judith H.L.D.M.A. and Bandara J. M.S. J. "Causes for the failure by movement of asphalt concrete road surfaces in Sri Lanka", IESL Transactions Vol. 1, Part B, pp 73-78, 2002

- 57. Devi V., Chanakya H.N., De Alwis A.A.P., Deepa G.B. and Modak J. Management of non-point inorganic and organic pollution of water bodies using decentralised installation of bioreactors, Lake 2002: Symposium on conservation, restoration and management of aquatic ecosystems, IISc, Bangalore ,2002.
- 58. Deepa G.B., Chanakya H.N., De Alwis A.A.P., Manjunath G.R. and Devi V. Management of non-point inorganic and organic pollution of water bodies using decentralised installation of bioreactors, Lake 2002: Symposium on conservation, restoration and management of aquatic ecosystems, IISc, Bangalore, 2002.
- 59. Deepa G.B., Chanakya H.N., Basavaraj D., Devi V. and De Alwis A.A.P. Solid stratified bed fermenter for biomass wastes, in Solid Waste Management: Current status and Strategies for the future, Somashekar RK and Iyengar MAR (eds) pp 226-230. Allied Publishers Ltd, India, 2002.
- 60. Devi V., Chanakya H.N., Basavaraj D., Deepa G.B. and De Alwis A.A.P. Pluf flow biogas reactor (PFBR) for solid and liquid wastes in Solid Waste Management: Current status and Strategies for the future, Somashekar RK and Iyengar MAR (eds) pp 231-238, Allied Publishers Ltd, India, 2002.
- 61. Chanakya H.N. and De Alwis A.A.P. Biogas reactors as a resource recovery system in coffee pulp processing, Procs of the 8<sup>th</sup> Annual Symposium Research for Industry 2002, UoM.
- 62. Jayawardhana L.C., Manipura A., De Alwis A.A.P., Ranasinghe M., Pilapitiya S. and Abeygunawardhana I. An information technology (IT) approach in developing a solution to a local environmental problem, Procs of the 8<sup>th</sup> Annual Symposium Research for Industry 2002, UoM.
- 63. Manipura A., Jayawardhana L.C., De Alwis A.A.P., Pilapitiya S., Ranasinghe M., Pathinather S. and Abeygunawardhana I. BIOCOM-MSW: A composting system for Sri Lankan Solid waste management, Procs of the 8<sup>th</sup> Annual Symposium Research for Industry 2002, UoM.
- 64. De Alwis A.A.P. Industrial biomethanation practices for decentralized energy from waste: Options for Sri Lanka in Recovering Energy from Waste: various aspects, Grover VI, Grover VK and Hogland W (eds), Science Publishers Enfield USA, pp 151-165, 2002
- 65. De Alwis A.A.P. Sri Lanka: Its industry and challenges in the face of climate change, Chapter 18 in Climate Change: Five years after Kyoto, Grover VI and Grover VK (eds), Science Publishers, USA,2002.
- 66. Gunawardena N.D. and Jayawardane A.K.W. a Chapter on "Assessment of training needs a case study of Sri Lanka" in "Training of Construction Workers in Developing Countries" published by CIB, accepted for publication, 2002.
- 67. Kiguchi K., Nanayakkara T., Watanabe K. and Fukuda T. "Multi-Dimensional Reinforcement Learning Using a Vector Q-Net Application to Mobile Robots", Proc. of 2002 FIRA Robot World Congress, pp.405-410, 2002.
- 68. Nanayakkara T., Watanabe K., Kiguchi K. and Shadmehr R. "Intelligent Control of a 7-DOF manipulator based on model primitives", Proc. of IEEE International Symposium on Intelligent Control (ISIC2002), pp. 538 543, 2002, Vancuver, Canada, 2002.
- 69. Nanayakkara T. and Shadmehr R. "Adaptive properties of eye-hand coordination", presented in Neuroscience 2002, Orlando, Florida, 2002
- 70. Cooray T.M.J.A. and Indralingam M. Analysis and Evaluation of Five Techniques for Forecasting of Electricity Demand In Sri Lanka, Sri Lanka Journal for Applied statistics (vol: 3, 33-43pp),2002.

- 71. Bandara J.M.S.J. "Need for Effective Highway Construction & Maintenance Procedures for Sri Lanka", Economic Review, Volume 28 Number 6/7, pages 26-27. 2002
- 72. Bandara J.M.S.J. Bitumen Emulsions & Applications in Sri Lanka, Journal, Civil Engineering Society, Pages 50- 5, 2002
- 73. Dias G. "Web Caching and Bandwidth Management using Squid" in Proc. Asia-PacificRegional Conference on Operational Technologies (APRICOT), Bangkok, Thailand, February 2002.
- 74. Bandara S. LRT Access to Calgary International Airport, Research Report, The University of Calgary,2002.
- 75. Bandara S. UNDP/GPE Climate change Project: preparation of National Action Plan, Ministry of Forestry & Environment, Team Leader, 2002.
- 76. Fernando M.S.D. and Dias G. "Link Cost Optimization through Link Utilization Maximization", Conference Proceedings, IEE Sri Lanka 9th Annual Conference, Colombo, 2002.
- 77. Fernando M.S.D. and Dias G."An Architecture for Advanced Proxying based on User Requests", Annual Conference, Engineering Research Unit, University of Moratuwa: 2002
- 78. Peiris P. and Fernando M.S.D. "Web Traffic Analysis for Content Prioritization", Conference Proceedings, International IT Conference (IITC), Colombo, 2002.
- 79. Ranasinghe M. Risk and uncertainty analysis of natural environmental assets threatened by hydropower projects: case study from Sri Lanka, Energy for Sustainable Development, Vol. VI(1), pp. 56-63,2002.
- 80. Ranasinghe M. Recovery of Abandoned Paddy Lands: A Case Study from North Western Province, Engineer, Journal of the Institution of Engineers, Sri Lanka, Vol. XXXV, No. 2, pp. 47-54. 2002.
- 81. Kulasuriya C., Dias W.P.S. and Hettiarachchi M.T.P. The aesthetics of proportion in structural form, The Structural Engineer, Vol. 80, No. 14, 2002, pp. 22-27.
- 82. Dias W.P.S. Reflective Practice, Artificial Intelligence and Engineering Design: Common trends and inter-relationships, Artificial Intelligence in Engineering Design, Analysis and Manufacture (AIEDAM), Vol. 16, 2002, pp. 261-271.
- 83. Dias W.P.S., Subrahmanian E. and Monarch I.A. Dimensions of order in engineering design organizations, Design Studies, Vol. 24, 2002, pp. 357-373.
- 84. De Alwis A.A.P. Biogas A review of Sri Lanka's performance with a renewable energy technology, Energy for Sustainable Development, 6(1), 30-37, 2002
- 85. Kumara M. W., Gunaratne M., Lu J. and Dietrich B."Probabilistic Method for Pavement Crack Depth Prediction " a paper accepted for presentation at 81<sup>st</sup> Annual meeting of Transportation Research Board (TRB), Washington D.C. 2002.
- 86. Meka S., Kumara M.W. and Pendyala R. "A Structural Equations Analysis of Withn-Household Activity and Time Allocation Between Two Adults" a paper accepted for presentation (Poster session) at 81<sup>st</sup> Annual meeting of Transportation Research Board (TRB), Washington D.C. 2002.
- 87. The effect of storage yarn feed wheel winding tension on stitch length, .Lanarolle G. and. Dias T. Department of Textiles, UMIST, UK, Textile Research Journal, USA, 2002.
- 88. Amarasinghe B.M.W.P.K. and De Silva I.M.B.M. Customized Design of Reverse Flow Cyclones, SLAAS Abstracts, University of Colombo, 2002.

- 89. Sirisoma R.M.N.T., Bandara J.M.S.J. and Kumarage A. Development of a Methodology for Bus Route Network Plan for the Western Province, ERU Symposium, University of Moratuwa, 2002
- 90. Wijayatunga P.D.C. and. Attalage R.A. Analysis of household cooking energy demand and its environmental impact in Sri Lanka, Energy Conservation and Management, Vol 43, pp 2213 -2223, 2002.
- 91. Wickramasinghe G.L.D., Foster P.W. and Gunasekara U.S.W. New technology for twisting, Textile machinery, technology and process research and development, Academe-industry symposium- UMIST, Manchester, U.K., 2002.

- 01. Kulathilaka S.A.S. and Nawagamuwa U.P. A Study of Bamboo Reinforced Retaining Structures, Engineering Research Unit Symposium, University of Moratuwa, Sri Lanka, 7th December 2001
- 02. Kulathilaka S.A.S. A Study on Bamboo Reinforced Earth Retaining Structures published in the Proceedings of the Engineering Research Unit Symposium at University of Moratuwa in December 2001
- 03. Kulathilaka S. A. S. and Munasinghe W.G.S. Improvement of Engineering Properties of Peat by Cement and Lime mixing published in the Proceedings of the Engineering Research Unit Symposium at University of Moratuwa in December 2001
- 04. Jayasinghe C. and Perera A.A.D.A.J. "Strength characteristics of manually compacted stabilized blockwork", 57<sup>th</sup> Annual Session, Sri Lanka Association for the Advancement of Science December 2001.
- 05. Perera A.J. and Imriyas K. Integrated Cost Information Systems for Construction Projects, 57<sup>th</sup> Annual Session, Sri Lanka Association for the Advancement of Science December 2001.
- 06. Perera A.A.D.A.J. "Feasibility of optimum Type designs for houses", 57<sup>th</sup> Annual Session, Sri Lanka Association for the Advancement of Science December 2001.
- 07. Judith H.L.D.M.A. and Bandara J.M.S.J. "Improvements to Bitumen Emulsions for the Better Performance of Surface Dressings" Paper presented at the 57<sup>th</sup> Annual Sessions of SLAAS, University of Moratuwa, Sri Lanka, November- December 2001.
- 08. Judith H.L.D.M.A. and Bandara J.M.S.J. "Fuel Susceptibility of Surface Dressings Using Sand Patch Method" Paper presented at the 57<sup>th</sup> Annual Sessions of SLAAS, University of Moratuwa, Sri Lanka, November- December 2001.
- 09. Bandara J.M.S.J. "Issues Related To Transport Sector Environmental Impact Assessments (EIA) Experience in Sri Lanka", 7<sup>th</sup> Annual Forestry and Environment Symposium, University of Sri Jayawardenepura, Sri Lanka, December 2001.
- 10. Bandara J.M.S.J. "Issues Related To Transport Sector Environmental Impact Assessments (EIA) Experience in Sri Lanka", 7<sup>th</sup> Annual Forestry and Environment Symposium, University of Sri Jayawardenepura, Sri Lanka, December 2001.
- 11. Bandara J.M.S.J. and Wirasinghe S.C. "Selection of a Suitable LRT Access to Calgary International Airport", Transportation Planning & Management in the 21<sup>st</sup> Century, Proceedings of the sixth conference of Hong Kong Society for Transportation Studies, pp 262-273, December 2001

- 12. Judith H.L.D.M.A. and Bandara J.M.S.J. "Fuel Susceptibility of Surface Dressings Using Sand Patch Method" Paper presented at the 57<sup>th</sup> Annual Sessions of SLAAS, University of Moratuwa, Sri Lanka, November- December 2001.
- 13. Judith H.L.D.M.A. and Bandara J.M.S.J. "Improvements to Bitumen Emulsions for the Better Performance of Surface Dressings" Paper presented at the 57<sup>th</sup> Annual Sessions of SLAAS, University of Moratuwa, Sri Lanka, November- December 2001
- 14. Gangodavilage N.C. and Amarasinghe B.M.W.P.K. Optimal Operating Conditions and equilibrium characteristics for rice bran oil extraction, Seminar proceedings ERU symposium, University of Moratuwa, Nov 2001.
- 15. Bandara J.M.S.J. and Amarasekera R.M. "Changes in Geometric Standards to Minimize Deterioration of Gravel Roads in Sri Lanka, Proceedings of ERU Seminar, Engineering Research Unit, University of Moratuwa, November 2001
- 16. Judith H.L.D.M.A. and Bandara J.M.S.J. "Effect of the Properties of Bituminous Emulsions to Surface Treatments for National Roads in Sri Lanka" Proceedings of ERU Seminar, Engineering Research Unit, University of Moratuwa, November 2001.
- 17. Gunawardena N.D. and Jayawardane A.K.W. Training needs of the construction work force, Awareness Seminar for industry practitioners and trainers at ICTAD, 13<sup>th</sup> Nov. 2001.
- 18. Jayawardhana L.C., Manipura A., De Alwis A., Pilapitiya S., Ranasinghe M. and Abeygunawardena I. Decision support tool for solid waste management in Pradeshiya Sabhas of Sri Lanka, Proceedings of the 57<sup>th</sup> Annual Session of the Sri Lanka Association for the Advancement of Sciences, Moratuwa, Sri Lanka, November 2001, pp. 130.
- 19. Manipura A., Jayawardhana L.C., De Alwis A., Pilapitiya S., Pathinather S., Ranasinghe M. and Abeygunawardena I. Analysis of municipal solid waste (MSW) generation and waste characterization in Sri Lanka, Proceedings of the 57<sup>th</sup> Annual Session of the Sri Lanka Association for the Advancement of Sciences, Moratuwa, Sri Lanka, November 2001, p.129.
- 20. Nanayakkara T., Watanabe T., Kiguchi K. and Izumi K. "Evolutionary Learning of a Fuzzy behavior Based Controller for a Non-Holonomic Mobile Robot in a Class of Dynamic Environments," International Journal of Intelligent and Robotic Systems, vol.32, no.3, pp.255-277, November, 2001.
- 21. Manipura A., Jayawardhana L.C., De Alwis A., Pilapitiya S., Ranasinghe M. and Abeygunawardena M. Analysis of MSW generation and waste characteristics in Sri Lanka, Proceedings of the Seventeenth International Conference on Solid Waste Technology and Management, Philadelphia, USA, October 2001.
- 22. Kumarawadu S., Watanabe K., Kiguchi K. and Izumi K. ``An application of Active Vision Head Control Using Model-based Compensating Neural Networks Controller", in Proc. of Int. Conf. on Control, Automation and Systems (ICCAS)}, Cheju, Korea, Oct. 2001, pp. 879-882
- 23. Jayawardhana L.C., Manipura A., De Alwis A., Pilapitiya S., Ranasinghe M. and Abeygunawardena M. Review of composting operations in Sri Lanka, Proceedings of the Seventeenth International Conference on Solid Waste Technology and Management, Philadelphia, USA, October 2001.
- 24. Jayawardane A.K.W. and Mahendran M. Diagnosing productivity problems and identifying priorities in the construction industry, International Seminar on Engineering Management for Accelerated Development in South and South East Asia, organised by the IESL, Hotel Trans Asia Colombo, 27<sup>th</sup> and 28<sup>th</sup> Oct. 2001.

- 25. Jayawardhana L.C., Manipura A., Ranasinghe M., Pilapitiya S., De Alwis A. and Abeygunawardena I. Development of an expert system for better management of solid waste composting by Pradeshiya Sabhas, Annual Transactions, Institution of Engineers, Sri Lanka, October 2001, Vol. 1, Part B, pp. 138-146.
- 26. Jayawardane A.K.W. Technology management and its impact on business and economy, Workshop on Productivity Enhancement through Institute-Industry Partnership on Technology Management, BMICH Colombo, 11<sup>th</sup> Oct. 2001.
- 27. Gunawardena N.D. and Jayawardane A.K.W. The training needs of construction workers in Sri Lanka, Proc. of Annual Sessions of IESL, Oct. 2001.
- 28. Kumarawadu S., Watanabe K., Kiguchi K. and Izumi K. ``An application of Active Vision Head Control Using Model-based Compensating Neural Networks Controller", in Proc. of Int. Conf. on Control, Automation and Systems (ICCAS)}, Cheju, Korea, Oct. 2001, pp. 879-882.
- 29. Perera A.A.D.A.J. Management Information Systems for Contractors, Transactions, PP 102-111 October 2001, institution Engineers, Sri Lanka.
- 30. Kulathilaka S.A.S., Metthananda D.C.A., Premarathna B.D.H. and Priyantha H.M.S. The Use of Soil Nailing Technique in Stabilising Natural Slopes in Central Sri Lanka published in the 57 th Annual sessions of the Sri Lanka Association of Advancement of Science held in October 2001.
- 31. Kulathilaka S.A.S. and Munasinghe W.G.S. Methods for Improvement of Engineering Properties of Peat A Comparative Study published in the 57 th Annual sessions of the Sri Lanka Association of Advancement of Science held in October 2001.
- 32. Kulathilaka S.A.S. and Nawagamuwa U.P. Model Studies on Bamboo Reinforced Earth Retaining Structures published in the 57 th Annual sessions of the Sri Lanka Association of Advancement of Science held in October 2001.
- 33. Jayasinghe C. and Perera A.A.D.A.J. Hand moulded cement stabilized soil blocks as a walling material, Transactions, PP 170-185 October 2001, institution Engineers, Sri Lanka.
- 34. Kodagoda G.N. and Dias W.P.S. An interacting multidisciplinary building product model, Engineer, Sri Lanka, September 2001, pp. 36-44.
- 35. Kulathilaka S.A.S. and Nawagamuwa U.P. Development of Internally Stabilized Earth Retaining Structures with Local Materials, XVth International Conference on Soil Mechanics and Geotechnical Engineering, Turkey, 27-31st August 2001
- 36. Digital stitch length Controller, Dias T. and Lanarolle G. Asian Textile Conference, August 2001
- 37. Pooliyadda S.P. and Dias W.P.S. The significance of embedded energy for buildings in a tropical country, Engineer, Sri Lanka, September 2001, pp. 25-35. (Also in The Structural Engineer, Vol. 83, No. 11, pp. 34-36, 7 Jun 2005 and International Conference on Global Construction: Ultimate Concrete Opportunities, Dundee, Scotland, July 2005),2001.
- 38. Pushpakumara P. and Dias G. "LEARNStat: A Network Traffic Monitoring Utility", in Proc. 20th National I.T. Conference, Colombo, Sri Lanka, July 2001.
- 39. Wirasinghe S.C. and Bandara J.M.S.J. "Estimation of Passenger Demand Estimation for Mid Sized International Airports", Proceedings of 9<sup>th</sup> World Conference on Transport Research, Seoul, south Korea, July 2001.
- 40. Bandara J.M.S.J. and Ekanayake I.A.B. "Train Scheduling Simulation that minimizes Operation Conflicts due to Service Constraints", Proceedings of 9<sup>th</sup> World Conference on Transport Research, Seoul, South Korea, July 2001

- 41. Wirasinghe S.C. and Bandara J.M.S.J. "Estimation of Passenger Demand Estimation for Mid Sized International Airports", Proceedings of 9<sup>th</sup> World Conference on Transport Research, Seoul, south Korea, July 2001.
- 42. Bandara J.M.S.J. and Ekanayake I.A.B. "Train Scheduling Simulation that minimizes Operation Conflicts due to Service Constraints", Proceedings of 9<sup>th</sup> World Conference on Transport Research, Seoul, South Korea, July 2001.
- 43. Jayawardane A.K.W. Technology Management and the proposed MBA An overview, Workshop on the conduct of the MBA in Technology Management by the Moratuwa University, BMICH Colombo, 21<sup>st</sup> July 2001.
- 44. Ranasinghe M. Risk analysis of an insurance firm: insights for decision-makers For investments in engineering projects, Conference Proceedings, 5<sup>th</sup> Asia Pacific Risk and Insurance Association Annual Conference, Bangalore, India, July 2001, Vol. 1, Part B, pp. 19-25.
- 45. Kumarawadu S., Watanabe K., Kiguchi K. and Izumi K. ``Resolved Velocity Controller with an Online RBF-NNs Compensator for Controlling a Binocular Active Vision Head", in Proc. of 40th SICE Annual Conference}, Nagoya, Japan, July 2001, Int. Session Papers, Paper ID. 114 A-2 (CD-R).
- 46. Kumarawadu S., Watanabe K., Kiguchi K. and Izumi K. "Resolved Velocity Controller with an Online RBF-NNs Compensator for Controlling a Binocular Active Vision Head", in Proc. of 40th SICE Annual Conference}, Nagoya, Japan, July 2001, Int. Session Papers, Paper ID. 114 A-2 (CD-R).
- 47. Dias G. and Nanayakkara V. "The Battle of the Links Problems and Remedies", in Proc. 20th National I.T. Conference, Colombo, Sri Lanka, July 2001.
- 48. Dias G.V. "Managing Internet Bandwidth: the LEARN Experience", in Proc. Inet01, Stockholm, Sweden, June 2001, http://www.isoc.org/isoc/conferences/inet/01/CD\_proceedings/T86/ManagingInternetBand width.htm
- 49. Jayawardane A.I., Jayasinghe M.T.R. and Attalage R.A. Concepts of sustainable residential developments for urban and suburban areas in Sri Lanka, Engineer Journal of IESL, Vol XXXIV, No:02, pp 63-77, May 2001.
- Kulathilaka S. A. S. Design of Shallow Foundations on Soft Organic Soils and Peat
   Published in the Proceedings of the Seminar on Foundation Design organized by Central Province branch of SLGS in March 2001
- 51. Jayawardane A.K.W. Project management using Microsoft Project, staff development workshop conducted for engineers and architects of the Central Engineering Consultancy Bureau, ICTAD, 29<sup>th</sup> March 2001.
- 52. Jayawardane A.K.W. Competitiveness through Effective Management of Projects. Seminar on Effective Management of People and Projects, organised by the State Engineering Corporation Engineers & Architects Union, Hotel Renuka, Colombo, 8<sup>th</sup> March 2001.
- 53. Jayawardane A.K.W. Introduction to Technology Management, Workshop to identify technology management education needs, JAIC Hilton, Colombo, 16<sup>th</sup> January 2001.
- 54. Ranasinghe M. Risk and uncertainty analysis of unique natural, environmental or cultural assets threatened by infrastructure projects, 3<sup>rd</sup> International Conference on Construction Project Management, Singapore, pp. 327-336,2001.

- 55. Ranasinghe M., Sooriyaarachchi D.M., Siribaddana A.H. and. De Silva O.W.W. Environmental management systems in construction sites in developing countries: case study from Sri Lanka, 3<sup>rd</sup> International Conference on Construction Project Management, Singapore, pp.159-169,2001.
- 56. Nanayakkara T., Watanabe K., Kiguchi K. and Izumi K. "Fuzzy Self-Adaptive RBF Neural Network Based Control of a Seven-Link Industrial Robot Manipulator," in Journal of Advanced Robotics, vol. 15, no. 1, pp. 17-43, 2001.
- 57. Nanayakkara T., Watanabe K., Kiguchi K. and Izumi K. "Achieving Synergy Through Acquisition of Human Skills," in Proc. of Fifth International Symposium on Artificial Life and Robotics, vol. 1, pp. 126--129, 2001.
- 58. Kiguchi K., Murakami T., Nanayakkara T., Necsulescu D.S., Watanabe K. and Fukuda T. "Temporal Environment Models for Contact Tasks of Teleoperated Manipulator with Time Delay," in Proc. of the 2nd International Symposium on Mixed Reality (ISMR2001), pp. 141--142, 2001.
- 59. Nanayakkara T., Kiguchi K., Murakami T., Watanabe K. and Izumi K. "Skillful Adaptation of a 7-DOF Manipulator to Avoid Moving Obstacles in a Teleoperated Force Control Task," in Proc. of IEEE International Symposium of Industrial Electronics (ISIE-2001), vol. 3, pp. 1982--1987, 2001.
- 60. Cooray T.M.J.A., Indralingam M. Missing values in spread sheet environment. Sri Lanka Journal for Applied statistics, (vol: 2, 1-11 pp). ,2001.
- 61. De Alwis A.A.P. Biogas! A Natural energy choice for both rural and urban environments, in Renewable Energy Technologies: Applications to Industries and Agriculture, Palaniappan C.; Kolar A.K. and Haridasan TM (Eds.) pp 252-260,2001.
- 62. De Alwis A.A.P. Study on the potential of Biogas in Sri Lanka, Renewable energy options study 2, ITDG-South Asia publication, 2001.
- 63. Fischer T.F. and. Ranasinghe M. Culture and foreign companies' of entry mode: the case of Singapore building and construction industry, Construction Management and Economics, E&FN Spon, U.K., Vol. 19, No.4, pp. 343-353,2001.
- 64. Dias W.P.S. and Pooliyadda S.P. Neural networks for predicting properties of concretes with admixtures, Journal of Construction and Building Materials, Vol. 15, No. 7, 2001, pp. 371-37.
- 65. Dias W.P.S. Practice based knowledge: from craftsman to engineer, Proceedings, Sri Lanka Association for the Advancement of Science, 2001 (abstract only).
- 66. Jayawardhana LC., Manipura A., Ranasinghe M., Pilapitiya S., De Alwis A.A.P. and Abeygunawardena I. Development of an Expert system for better management of solid waste composting for pradeshiya sabhas in Sri Lanka, Engineer Transactions 2001, 138-146,
- 67. Perera A.A.D.A.J. and Imriyas K. Integrated Project Cost System, Engineering Research Unit Annual Symposium in Transactions 2001, University of Moratuwa
- 68. Kumara M.W. "Prediction of surface initated crack depth in Asphalt Pavement" Masters Thesis, University of South Florida, 2001
- 69. Amarasinghe B.M.W.P.K. and De Silva I.M.B.M. Use of waste biomass for colour removal from textile effluent, SLASS Abstracts, University of Moratuwa, 2001.
- 70. Amarasinghe B.M.W.P.K. and Gangodavilage N.C. Effect of solvents on Rice bran oil extraction, SLASS Abstracts, University of Moratuwa, 2001.
- 71. Sirisoma N., Bandara J.M.S.J. and Kumarage A. Development of Passenger Demand O-D Matrix for Public Bus Transportation in Western Province, ERU Symposium, University of Moratuwa, 2001

- 72. Kulathilaka S.A.S, Development of Internally Stabilised Earth Retaining Structures with Local Material published in the XV<sup>th</sup> International Conference in Soil Mechanics and Foundation Engineering held in Turkey in 2001 pp 1179-1184.
- 73. Peiris T.S.G., Fernando M.T.N. and de S W.U.P. Factors influencing the productivity of coconut estates. J. of Coconut Research and Development (Cord), Indonesia, 17(2), 36 48,2001.
- 74. Jayalath J.T.D. and Bandara J.M.S.J. "Future of Colombo Airport as an Airline Hub", Paper Accepted for publication, Journal of Air Transportation World Wide, Vol. 6, No2, pp117-128, 2001.

- 01. Tittagala R.S. and Navarathna N.P.N.M. Design & Construction of an Energy-Efficient Furnace for Melting Non- ferrous Alloys in Local Foundry Industry Proceedings of the ERU Seminar on 'Research for Industry 2000', December 2000, University of Moratuwa
- 02. Kulathilaka S.A.S. and Nawagamuwa U.P. Internally Stabilized Earth Retaining Systems with Discarded Tyres. Engineering Research Unit Symposium, University of Moratuwa, Sri Lanka, 7th December 2000
- 03. Jayawardane A.I., Jayasinghe M.T.R. and Attalage R.A. Passive concepts for improvement of thermal and visual comfort, Proceedings of the 6<sup>th</sup> Annual ERU symposium, University of Moratuwa, December 2000.
- 04. Kulathilaka S.A.S. and Nawagamuwa U.P. Internally Stabilized Earth Retaining Systems With Discarded Tyres Published in the Proceedings of the Engineering Research Unit Symposium at University of Moratuwa in December 2000.
- 05. Amarasinghe B.M.W.P.K. and De Silva I.M.B.M. Application of Membrane Separation Processes to the Sri Lankan Industry, Seminar proceedings ERU symposium, University of Moratuwa, Dec. 2000.
- 06. Ranasinghe M. Environmental economics of planting teak trees in abandoned paddy lands: a case study from North Western Province, Proceedings of Sixth Annual Symposium on Forestry and Environment, Kandy, Sri Lanka, December 2000, Part I, pp. 38
- 07. Perera A.A.D.A.J. "Cost effective reinforced concrete slabs and rafters for houses", 56<sup>th</sup> Annual Session, Sri Lanka Association for the Advancement of Science December 2000.
- 08. Gunawardena, N.D. and Jayawardane, A.K.W. Workshop on training needs assessment in the construction industry, identification of manpower requirements for unit investment, organised by the Department of Civil Engineering, UOM, ICTAD, Dec. 2000
- 09. Periyapperuma S.P. and de Alwis A.A.P. Environmental Impact Identification and a possible mitigating strategies for Boralesgamuwa lake, 6<sup>th</sup> Annual Forestry and Environment Symposium 2000, Le Kandyan Hotel, Peradeniya 29-30<sup>th</sup> Dec.
- 10. Amarasinghe B.M.W.P.K. and De Silva I.MB.M. Application of Membrane Separation Processes to the Sri Lankan Industry, Project Report, Nov. 2000
- 11. Bandara J.M.S.J. and Ekanayake, I.A.B. "A Simulation Model to Minimize Operational Conflicts on a Single-Track Rail Line", Paper presented at the 56<sup>th</sup> Annual Sessions of SLAAS, University of Peradeniya, Sri Lanka, November 2000.

- 12. Bandara J.M.S.J. and Sirisoma R.M.N.T. "Passenger Demand Estimate for the Bandaranayake International Airport", Paper presented at the 56<sup>th</sup> Annual Sessions of SLAAS, University of Peradeniya, Sri Lanka, November 2000.
- 13. Sirisoma R.M.N.T., Seneviratne M.W.R.I., Sourjha T.R.J. and Bandara J.M.S.J. "Effectiveness of Stop Sign Control at an Intersection", Paper presented at the 56<sup>th</sup> Annual Sessions of SLAAS, University of Peradeniya, Sri Lanka, November 2000.
- 14. Amarasekara R.M. and Bandara J.M.S.J. "Gravel Roads for Sri Lanka", Paper presented at the 56<sup>th</sup> Annual Sessions of SLAAS, University of Peradeniya, Sri Lanka, November 2000
- 15. Bandara J.M.S.J. and Ekanayake I.A.B. "A Simulation Model to Minimize Operational Conflicts on a Single-Track Rail Line", Paper presented at the 56<sup>th</sup> Annual Sessions of SLAAS, University of Peradeniya, Sri Lanka, November 2000.
- 16. Bandara J.M.S.J. and Sirisoma R.M.N.T. "Passenger Demand Estimate for the Bandaranayake International Airport", Paper presented at the 56<sup>th</sup> Annual Sessions of SLAAS, University of Peradeniya, Sri Lanka, November 2000.
- 17. Sirisoma R.M.N.T., Seneviratne M.W.R.I., Sourjha T.R.J. and Bandara J.M.S.J. "Effectiveness of Stop Sign Control at an Intersection", Paper presented at the 56<sup>th</sup> Annual Sessions of SLAAS, University of Peradeniya, Sri Lanka, November 2000.
- 18. Amarasekara R.M. and Bandara J.M.S.J. "Gravel Roads for Sri Lanka", Paper presented at the 56<sup>th</sup> Annual Sessions of SLAAS, University of Peradeniya, Sri Lanka, November 2000.
- 19. Perera A.A.D.A.J. "Software solutions in construction costing", Seminar on Construction Costing, Centre for Housing and Planning, November 2000.
- 20. Jayasinghe C. and Perera A.A.D.A.J. .Precast reinforced concrete beam slab bridges for small spans in Transactions, PP 74-85, October 2000, Institution of Engineers, Sri Lanka
- 21. Jayasinghe C. and Perera A.A.D.A.J. Load Testing on Precast reinforced concrete slab system in Transactions, PP 96-106 October 2000, Institution Engineers, Sri Lanka
- 22. Ranasinghe M. Private sector participation in existing water supply projects: a model to analyse the viability, Annual Transactions, Institution of Engineers, Sri Lanka, October 2000, Vol.1, Part B, pp. 19-25.
- 23. Perera A.A.D.A.J. Earth construction methods, Constructor Vol.5, No3 October 2000, National Contractors Association of Sri Lanka
- 24. Jasinghe S. and De Alwis A.A.P. The development of an air emission inventory and its benefits, 7<sup>th</sup> International Conference on Atmospheric Sciences and applications to Air Quality and Exhibition and Workshop on air quality modeling challenges, 31<sup>st</sup> Oct. 3 Nov. 2000, Grand Hotel, Taipei, Taiwan.
- 25. Jayawardane A.K.W. Technology Management for Development and Competitiveness, Proc. of National Engineering Conference on Engineering for the Emerging Millennium, organised by the IESL, BMICH on 27<sup>th</sup> & 28<sup>th</sup> Oct. 2000.
- 26. Jayawardane A.K.W. Technology Management for Development and Competitiveness, National Engineering Conference on Engineering for the Emerging Millennium, organised by the IESL, BMICH, 27<sup>th</sup> & 28<sup>th</sup> Oct. 2000.
- 27. Ranasinghe M. and Pilapitiya S.C. Domestic water tariff in Sri Lanka: have we got it right, Annual Transactions, Institution of Engineers, Sri Lanka, October 2000, Vol.1, Part B, pp. 10-18.
- 28. Bandara J.M.S.J. et al, "Signalizing an Existing Roundabout, an experience in Sri Lanka", Traffic Safety 2000, British Columbia, Canada, Sept 17-20. 2000

- 29. Bandara J.M.S.J. et al, "Signalizing an Existing Roundabout, an experience in Sri Lanka", Traffic Safety 2000, British Columbia, Canada, Sept 17-20, 2000
- 30. Nawagamuwa U.P. Study of the Behavior of Anchored Tyre Earth Retaining Structures, IYGEC 2000, University of Souhtampton, UK, 8-13th September 2000
- 31. Jayasinghe C. and Perera A.A.D.A.J. An alternative Concrete floor Slab System for residential buildings, vol XX)U ll, No: 2, PP 54-65, September 2000.
- 32. Dias W.P.S. An example of data transformation for backpropagation neural networks, Engineer, Sri Lanka, September 2000, pp. 33-38.
- 33. Jayawardane A.K.W. Integrated curriculum and technology education, Seminar on Technology Education, National Science Foundation, Aug. 2000.
- 34. De Alwis A.A.P. ISO14000 and Environmental Management Systems for Sri Lankan industries to achieve Quality leadership, 2<sup>nd</sup> National Convention on Quality –Meeting global competitiveness through quality leadership, 25-27 July2000, BMICH, Colombo.
- 35. Nanayakkara T., Watanabe K., Kiguchi K. and Izumi K."Evolutionary Structured RBF Neural Network Based Control of a Seven-Link Redundant Manipulator," in Proc. of the 39th SICE Annual Conference (SICE2000), Int. Session Papers, paper no. 114 A-4, July 26--28, 2000.
- 36. De Alwis A.A.P. Ignoring Chemical and Process Engineering Paradigms in development planning Lowering the development potential in Sri Lanka, Procs of Engineering Jubilee Congress "Engineering Beyond 2000", Univ of Peradeniya 29<sup>th</sup> June 1<sup>st</sup> July 2000
- 37. Samoon M.M. and De Alwis A.A.P. A Quantitative study of waste human hair as an oil recovery material, Procs of Engineering Jubilee Congress "Engineering Beyond 2000", Univ of Peradeniya 29<sup>th</sup> June 1<sup>st</sup> July 2000
- 38. Thiruchelvam A.T. and De Alwis A.A.P. Waste Oil generation and disposal in Sri Lanka, Procs of Engineering Jubilee Congress "Engineering Beyond 2000", Univ of Peradeniya 29<sup>th</sup> June 1<sup>st</sup> July 2000
- 39. Wijayapala S., De Silva N.G.H. and De Alwis A.A.P. Ozonation as a Process waste recycling method, Procs of Engineering Jubilee Congress "Engineering Beyond 2000", Univ of Peradeniya 29<sup>th</sup> June 1<sup>st</sup> July 2000
- 40. Thiruchelvam A.T., Nanthini S., Shanthi and De Alwis A.A.P. Treatability study of parboiling effluent from paddy processing, Procs of Engineering Jubilee Congress "Engineering Beyond 2000", Univ of Peradeniya 29<sup>th</sup> June 1<sup>st</sup> July 2000
- 41. Fernando M.T.N. and Peiris T.S.G. Some economic consideration of coconut production and processing. Proceedings of the conference on coconut industry meeting the new challenges, 27 June 2000, BMICH, Colombo
- 42. Peiris T.S.G. and Fernando M.T.N. Trend in nut production and utilization. Proceedings of the conference on coconut industry meeting the new challenges. 27 June 2000,BMICH, Colombo
- 43. Attalage R.A and. Wijayatunga P.D.C. State of Renewable energy education in Sri Lanka, ISREE conference, June 2000, Oslo, Norway.
- 44. Kulathilaka S.A.S. Geotechnical Engineering Education in Sri Lanka Published in the Proceedings of the First International Conference on Geotechnical Engineering Education and Training held in Romania in June 2000. pp 163-166
- 45. Amarasinghe B.M.W.P.K. Membrane Separation Techniques for Cleaner Technology and Waste Minimisation, Seminar proceedings Engineering Jubilee congress, 'Engineering Beyond 2000', University of Peradeniya, June, 2000

- 46. Thiruchelvam A.T. and De Alwis A.A.P. Potential for the use of waste oil in cement kilns as the right disposal option for Sri Lanka, Proceedings of the 9<sup>th</sup> International Pacific Basin Conference on Hazardous Waste April 12-14, Hotel EDSA Shangri-La, Manila, Philippines .2000.
- 47. De Alwis A.A.P. Review of the Hazardous Waste management in Sri Lanka, Proceedings of the 9<sup>th</sup> International Pacific Basin Conference on Hazardous Waste April 12-15, Hotel EDSA Shangri-La, Manila, Philippines, 2000.
- 48. Bandara J.M.S.J. and Wijesundara W.W.M.R.K. "Safety in Public Bus Transport Operation, 5<sup>th</sup> World Conference on Injury Prevention and Control, World Health Organization, India, March 2000.
- 49. Bandara J.M.S.J. and Wijesundara W.W.M.R.K. "Safety in Public Bus Transport Operation, 5<sup>th</sup> World Conference on Injury Prevention and Control, World Health Organization, India, March 2000.
- 50. De Alwis A.A.P. Biogas potential from sewage: Double benefits from a current waste problem, Proceedings of the 5<sup>th</sup> Workshop on low cost electronic materials, solar cells and application of renewable energy sources, 22-23 February 2000, Hotel Oberoi, Colombo.
- 51. Attalage R.A. Presentation on invitation titled Industrial Projects at the Seminar on Technology Upgradation and Modernization, Ministry of Science and Technology, January 2000, BMICH, Sri Lanka.
- 52. Dias W.P.S., Nanayakkara S.M.A., Ekneligoda T.C., De Silva W.S.A. and Fernando H.B.S. Properties of PFA blended cement in concrete, submitted to Puttalam Cement Company Limited, January 2000.
- 53. Dias W.P.S., Nanayakkara S.M.A., Ekneligoda T.C., De Silva W.S.A. and Fernando H.B.S. Properties of PFA blended cement in concrete, International Symposium on Asian Concrete Model Code, Colombo, Sri Lanka, March 2000, pp. 54-73.
- 54. Jayawardane A.K.W. and Gunawardena N.D. Labour market issues of managerial and supervisory personnel in the construction industry A case study of Sri Lanka, Engineer, Journal of the IESL, Vol. XXXIV No. 1,2000.
- 55. Jayawardane A.K.W. Development of the construction industry through technology development and technology transfer, Constructor, Official publication of the National Construction Contractors association of Sri Lanka, Vol 5 (1),1999/2000.
- 56. Jayawardane A.K.W. and Gunawardena N.D. Characteristics and adequacy of skilled workforce, Constructor, Official publication of the National Construction Contractors association of Sri Lanka, Vol 3 (4),2000.
- 57. Ranasinghe M. Impact of correlation and induced correlation on the estimation of project cost of buildings, Construction Management and Economics, E&FN Spon, U.K., Vol. 18, No. 4, pp. 395-406,2000.
- 58. Ong S.E. and Ranasinghe M. Portfolio Variance and Correlation Matrices, Journal of Real Estate Portfolio Management, USA, Vol. 6, No. 1, pp. 1-7,2000.
- 59. Ofori G., Briffet C., Gu G. and. Ranasinghe M. Impact of ISO 14000 on construction enterprises in Singapore, Construction Management and Economics, E&FN Spon, U.K., Vol 18, No. 8, pp. 935-947,2000.
- 60. Wijeyekoon S., Mino T., Satoh H. and Matsuo T. Fixed Bed Biological Aerated Filtration for Secondary Effluent Polishing Effect of Filtration Rate on Nitrifying Activity Distribution. Water Science and Technology, Vol. 41 (1), pp 187-195,2000.

- 61. Wijeyekoon S., Mino T., Satoh H. and Matsuo T. Growth and Novel Structural Features of Tubular Biofilms Produced under Different Hydrodynamic Conditions. Water Science and Technology, Vol. 41 (4-5), pp 129-138,2000.
- 62. Dias W.P.S. The analysis of proposed change and stakeholder response a case study. Civil & Environmental Engineering Systems, Vol. 17, 2000, pp. 1-17.
- 63. Dias W.P.S. Reduction of concrete sorptivity with age through carbonation, Cement & Concrete Research, Vol. 30, 2000, pp. 1255-1261.
- 64. Kulasuriya C., Dias W.P.S. and Hettiarachchi M.T.P. Development and evaluation of the aesthetics of structural form, Research for Industry, Engineering Research Unit, University of Moratuwa, 2000, pp. 63-79.
- 65. Automated stitch length adjusting system for multi-feeder circular knitting machines,.Dias T.,Lanarolle G. and Porat I. Mechatronics 2000, Atlanta.
- 66. Bandara J.M.S.J. and Sirisoma R.M.N.T. Passenger Demand Estimate for the Bandaranayake International Airport, 56<sup>th</sup> Annual Seminar of Sri Lanka Association of Advancement of Science, University of Peradeniya, Sri Lanka,2000
- 67. Sirisoma R.M.N.T., Seneviratne M.W.R.I., Sourjah T.R.J. and Bandara J.M.S.J. Effectiveness of Stop Sign Control at an Intersection, 56<sup>th</sup> Annual Seminar of Sri Lanka Association of Advancement of Science, University of Peradeniya, Sri Lanka,2000
- 68. Peiris T.S.G., Peiris T U.S. and Rajapaksha S. Prediction of annual national coconut production a stochastic approach. Sri Lanka J of Applied Statistics, 1 (1), 25-32,2000.
- 69. Peiris T.U.S., Peiris T.S.G. and Samita S. Arrival of south-west monsoon rains. Tropical Agricultural Research, 12, 265-275,2000,
- 70. Peiris T.S.G. The role of coconut industry in Sri Lanka towards the world trend on kernel products. The Proceeding of the International Conference on Plantation Crops, Green Park, Hyderabad, India, 21p,2000.
- 71. Fernando M.T.N. and Peiris T.S.G. Import duty reduction for substitute oils and its implications on coconut oil industry in Sri Lanka. The Proceeding of the International Conference on Plantation Crops, Green Park, Hyderabad, India, 22p,2000.
- 72. De Alwis A.A.P. Solid Waste Management in Sri Lanka: A Country Perspective in Solid Waste Management, Grover VI, Guha BK, Hogland W, McRae SG (eds), Oxford & IBH Publishing Co. Pvt Ltd. pp 203-233,2000.
- 73. Ranasinghe M. Analysis of uncertainty in the valuation of cultural and natural assets, Cities and Sustainability: Sustaining our Cultural Heritage, Edited by, Chapter 4, pp. 4-62-4-69.
- 74. Nanayakkara T., Watanabe K., Kiguchi K. and Izumi K. "Dynamic Identification of an Industrial Seven-Link Manipulator by Evolving Runge-Kutta-Gill RBF Networks," in Proc. of Fourth International Symposium on Artificial Life and Robotics, vol. 2, 2000, pp. 669-672.
- 75. Nanayakkara T., Watanabe K., Kiguchi K. and Izumi K. "Dynamic Control of an Industrial Seven-Link Manipulator by Evolving Runge-Kutta-Gill RBF Networks," in Proc. of Robotics and Mechatronics Conference, 2000, (poster session), 1A1-29-038 (CDR).

- 76. Nanayakkara T., Watanabe K., Kiguchi K. and Izumi K. "Evolving Obstacle Avoidance Skill of a Seven-Link Redundant Manipulator Subjected to End-Effector Working Constraints," in Proc. of 6th International Conference on Soft Computing (IIZUKA2000), pp. 684--689, 2000.
- 77. Nanayakkara T., Watanabe K., Kiguchi K. and Izumi K. "Controlling Multi-Link manipulators by Fuzzy Selection of Dynamic Models," in Proc. of IEEE International Conference on Industrial Electronics, Control and Instrumentation, pp. 638--643, 2000.
- 78. Murakami T., Kiguchi K., Watanabe K., Izumi K. and Nanayakkara T. "Development of Intelligent Interface for Teleoperated Manipulator Considering Time Delay," in Proc. of the 10th Intelligent System Symposium, pp. 369--370, 2000.
- 79. Watanabe K., Nanayakkara T., Kiguchi K. and Izumi K. "Acquiring an Obstacle Avoidance Skill of a Redundant Manipulator Using Neural Networks," in Proc. of SICE System and Information Division Symposium, pp. 121--126, 2000.
- 80. Watanabe K., Nanayakkara T., Kiguchi K. and Izumi K. "Fuzzy Behavior-Based Control for a Mobile Robot in a Class of Dynamic Environment," in Proc. of the 10th Intelligent System Symposium, pp. 383--386, Tokyo, 2000

- 01. Hewawasam D. and. Attalage R.A, Estimation of Annual collectible Energy by Flat Plate Solar Thermal Collectors: Case Study of Colombo, ERU symposium, University of Moratuwa, December 1999.
- 02. Attalage R.A., Wijayatunga P.D.C. and Sugathapala A.G.T. Feasibility of Vapour Absorption based Air-Conditioning in Industries: Case Study, ERU symposium, University of Moratuwa, December 1999
- 03. Attalage R.A. and Perera K.K.C.K. Performance Analysis of a Retrofitted Domestic Refrigerator to run on HFC 134 a, ERU symposium, University of Moratuwa, December 1999.
- 04. Dias W.P.S. and Kodagoda G.N. Product models for building information, Research Report submitted to NSF, Sri Lanka, December 1999.
- 05. Kumarage A.S. and Bandara J.M.S.J. et al. "TransPlan V2: A Regional Traffic Estimation Model", ERU Seminar, Engineering Research Unit, University of Moratuwa, December 1999
- 06. Katugampola P.I., Vlach M. and Bandara J.M.S.J. "Optimal Regional Planning in Solid Waste Management", 5<sup>th</sup> Annual Forestry and Environment Symposium, University of Sri Jayawardenepura, Sri Lanka, December 1999.
- 07. Karunathilake K.M. and Bandara J.M.S.J. "Emission Control Strategy for Sri Lanka by Improving Vehicle Inspection and Maintenance Activities", 5<sup>th</sup> Annual Forestry and Environment Symposium, University of Sri Jayawardenepura, Sri Lanka, December 1999.
- 08. Wijesundara W.W.M.R.K. and Bandara J.M.S.J. "Optimum Spacing of Centre Median Openings" Paper presented at the 55<sup>th</sup> Annual Sessions of SLAAS, The Open University of Sri Lanka, December 1999.
- 09. Katugampola P.I., Vlach M. and Bandara J.M.S.J. "Optimal Regional Planning in Solid Waste Management", 5<sup>th</sup> Annual Forestry and Environment Symposium, University of Sri Jayawardenepura, Sri Lanka, December 1999.

- 10. Karunathilake K.M. and Bandara J.M.S.J. "Emission Control Strategy for Sri Lanka by Improving Vehicle Inspection and Maintenance Activities", 5<sup>th</sup> Annual Forestry and Environment Symposium, University of Sri Jayawardenepura, Sri Lanka, December 1999.
- 11. Wijesundara W.W.M.R.K. and Bandara J.M.S.J. "Optimum Spacing of Centre Median Openings" Paper presented at the 55<sup>th</sup> Annual Sessions of SLAAS, The Open University of Sri Lanka, December 1999.
- 12. Jasinghe S.R. and De Alwis A.A.P. The development of an air emission inventory and its benefits, Proceedings of the 5<sup>th</sup> Annual Forestry and Environment Symposium "Challenges in Natural Resource Conservation in the 21<sup>st</sup> Century", Hotel Coral Gardens, Hikkaduwa, 10-11 December 1999.
- 13. Samoon M.M. and De Alwis A.A.P. Waste Human Hair An oil recovery material par excellence!, Proceedings of the 5<sup>th</sup> Annual Forestry and Environment Symposium "Challenges in Natural Resource Conservation in the 21<sup>st</sup> Century", Hotel Coral Gardens, Hikkaduwa, 10-11 December 1999
- 14. Ranasinghe M. Value-for-money based method to analyze viability of new infrastructure projects, Civil and Environmental Engineering Conference (C&EEC), Bangkok, Thailand, November 1999, Vol. 3, pp.V81-V90.
- 15. Ranasinghe M. Perception of risk in financing overseas infrastructure projects, Civil and Environmental Engineering Conference (C&EEC), Bangkok, Thailand, November 1999, Vol. 3, pp. V91-V100.
- 16. Ranasinghe M. Risk and uncertainty analysis of the decision to implement the Upper Kotmale Hydropower project, Annual Sessions, Sri Lanka Environmental Assessment Association (SLEAA), Colombo. Sri Lanka, November 1999.
- 17. Jayawardane A.K.W. Development of the construction industry through technology development and technology transfer. Seminar on Technology Management for the Construction Industry, Institute for Construction Training and Development. 27<sup>th</sup> Nov. 1999.
- 18. Jayalath J. and Bandara J.M.S.J. "Viability of Hub Operation at Bandaranayake International Airport" Civil & Environmental Conference on New Frontiers and Challenges", AIT, Thailand, Nov.1999.
- 19. Jayalath J. and Bandara J.M.S.J. "Viability of Hub Operation at Bandaranayake International Airport" Civil & Environmental Conference on New Frontiers and Challenges", AIT, Thailand, Nov.1999.
- 20. Jayasinghe M.T.R., Attalage R.A. and Jayawardane A.I. Use of artificial neural networks to produce optimum preliminary designs, Transactions of IESL Part 2, pp114-121, October 1999.
- 21. Kulathilaka S.A.S. Design of Earth Retaining Structures According to BS 8002. Published in the Proceedings of the Seminar on Earth Retaining Structures organized by Central Province branch of SLGS in October 1999.
- 22. Wijeyekoon S., Mino T., Satoh H. and Matsuo T. Growth and Novel Structural Features of Tubular Biofilms Produced under Different Hydrodynamic Conditions. IAWQ 4th Specialized Conference on Biofilm Systems, 17-20 October1999, New York, U.S.A.
- 23. Ranasinghe M. Why we should not implement projects like the Upper Kotmale hydropower project: risk and uncertainty perspective, Annual Transactions, Institution of Engineers, Sri Lanka, Vol 1., Part B, October 1999, pp. 83-92.

- 24. Ranasinghe M., Goh B-H. and Barathithasan T. A comparative study of artificial neural networks and multiple regression analysis in estimating willingness to pay for urban water supply, 2nd International Conference on Construction Industry Development, and 1st International Conference of CIB TG 29 on Construction in Developing Countries: Construction Industry Development in the new Millenium, Singapore,, October 1999, pp. 270-280.
- 25. Dias W.P.S., Perera A.A.D.A.J., Nanayakkara S.M.A., Sahayan S.J.M. and Sathyaprasad I.M.S. Interim Sand Study (Alternatives for River Sand), Dept. of Civil Engineering, University of Moratuwa, September 1999.
- 26. Ranasinghe M., Barathithasan T. and Gunawardena N.D. Willingness to pay for urban water supply, Engineer, Journal of the Institution of Engineers, Sri Lanka, Vol. XXX, No. 3, Sep 1999, pp. 27-33.
- 27. Long-term Tide and Wave-Induced Sedimentation at a Lagoon Entrance.
  Samarawickrama S.P. PhD Thesis, Department of Civil Engineering, Imperial College of Science, Technology and Medicine, London, August 1999
- 28. Kulathilaka S.A.S. Improvement of Engineering Properties of Peat by Preconsolidation
  - Published in the proceedings of the Asian Regional Conference of International Society of Soil Mechanics and Geotechnical Engineering to be held in South Korea in August 1999. pp 97-100
- 29. Kulathilaka S.A.S. Model Studies on Bamboo Reinforced Earth Retaining Structures and Anchored Tyre Earth Retaining Structures A poster paper submitted to the 11<sup>th</sup> Asian Regional Conference of the ISSMGE held in Korea August 1999 pp 101-102
- 30. Jayawardane A.K.W. Project management using Microsoft Project. Workshop on computer applications in project management, IESL, August 1999.
- 31. Kumar S. and Attalage R.A., A web Based Course for Learning Solar Thermal Processes, ISES conference, June 1999, Israel
- 32. Peiris T. S.G. A stochastic model to predict national coconut yield. Proceedings of the International Symposium on Forecasting, 27-30 June, 1999, Washignton D C, USA. 35p.
- 33. Jayasinghe M.T.R. and Attalage R.A. Passive Techniques for low altitudes in residential buildings of Sri Lanka, Engineer Journal of IESL, Vol XXX, No:2, pp18-27, May 1999
- 34. Jayawardane A.K.W. The need of technology management for the economic development and competitiveness in the construction industry. Roundtable conference on Technology Management, ICTAD. 24<sup>th</sup> May 1999.
- 35. Jayawardane A.K.W. Project planning. Monitoring and control, Seminar on Computer Application in Project Management, organised by the LAN Management and Development Centre, ICTAD, 22<sup>nd</sup> April 1999.
- 36. Wijeyekoon S., Mino T., Satoh H. and Matsuo T. Fixed Bed Biological Aerated Filtration for Secondary Effluent Polishing Effect of Filtration Rate on Nitrifying Activity Distribution. Conference proceedings of the IAWQ 4th Specialized Conference on Small Wastewater Treatment Plants, 19-21 April 1999, Stratford-upon-Avon, United Kingdom.
- 37. Gunaratna P.P., Ranaweera R.M.R.P, Fernando P.C. and De Silva M.S. "Combined Usage of Mathematical and Physical Modelling in the Planning of a Fishery Harbour", Fifth International Conference on Coastal and Port Engineering in Developing Countries, Cape Town, South Africa, April 1999.

- 38. Gunaratna P.P., Mangor K., Justesen P. and Abeysirigunawardena D.S. "Optimisation of Entrance Configuration for a Fishery Harbour Located in a Reef Protected Coastal Stretch", Fifth International Conference on Coastal and Port Engineering in Developing Countries, Cape Town, South Africa, April 1999
- 39. Gunaratna P.P., Justesen P., Abeysirigunawardena D.S. and Ranaweera R.M.R.P. "Influence of Reef Formation on Nearshore Hydrodynamics", Fifth International Conference on Coastal and Port Engineering in Developing Countries, Cape Town, South Africa, April 1999
- 40. Ranasinghe M. Analysis of unique natural, environmental and/or cultural assets threatened by development projects: the case of Upper Kotmale Hydropower Project, Institute of Policy Studies, Sri Lanka, April 1999, ISBN 955-9122-72-X.
- 41. Amarasinghe B.M.W.P.K. 'Fundamentals of Distillation', Seminar on Theory and Practice on Distillation, IESL, March 1999
- 42. Wijeyekoon S., Mino T., Satoh H. and Matsuo T. In-situ Characterization of Extracellular Polymeric Substances in Biofilms Produced Under Laminar and Turbulent Flow Conditions. Proceedings of the International Workshop of the Center of Excellence on Establishment and Evaluation of Advanced Wastewater Treatment Technology Systems Using Functions of Complex Microbial Community, 3-4 March, Tokyo 1999, Japan, pp. 127-128.
- 43. Perera A.A.D.A.J. The selection and management of a computer system in a contractor organization, Constructor Vol4, No1 Jan/Feb 1999, National Contractors Association of Sri Lanka.,1999.
- 44. Jayasinghe M.T.R. and Attalage R.A. Comfort conditions for built environment in Sri Lanka, Engineer Journal of IESL, Vol XXIX, No:1, pp12-23, January 1999.
- 45. Dias W.P.S. Concrete technology in Sri Lanka. Seminar on Special Application Cements, Society of Structural Engineers, Colombo, January 1999.
- 46. Wijeyekoon S., Mino T. Satoh H. and Matsuo T. Application of Cryosectioning and Confocal Scanning Laser Microscopy for the Investigation of Wastewater Biofilm Structures. Annual Report of Engineering Research Institute, Vol. 58, 71-77, Faculty of Engineering, University of Tokyo, Tokyo, Japan, 1999.
- 47. Ranasinghe M. Private sector participation in infrastructure projects: A methodology to analyze viability of BOT, Construction Management and Economics, E&FN Spon, U.K., Vol. 17, No. 4, pp. 613-623,1999.
- 48. Ranasinghe M., Goh B-H. and Barathithasan T. Estimating willingness to pay for urban water supply: a comparison of artificial neural networks and multiple regression analysis, Impact Assessment and Project Appraisal, Beech Tree Publishing, U.K., Vol. 17, No.4, pp. 273-281,1999.
- Bandara S. and Dias G. "A Smart Cache for a Central Off-line Download System" in Proc. 5<sup>th</sup> Research for Industry Symposium, University of Moratuwa, 1999.
- 50. Amarasiri R. and Dias G. "Techniques for Secure Electronic Transactions" in Proc. 5<sup>th</sup> Research for Industry Symposium, University of Moratuwa, 1999.
- 51. Weerasinghe A. and Dias G. "Construction of a Multilingual Place-Name Database for Sri Lanka" in Proc. 5<sup>th</sup> Research for Industry Symposium, University of Moratuwa, 1999.
- 52. Dias W.P.S. The use of concrete design codes across national boundaries, IABSE Colloquium Report on "Concrete Model Code for Asia", Vol. 80, Phuket, Thailand, 1999, pp. 54-59

- 53. Dias W.P.S. and Ekanayake E.S. A structural engineering analogy for the vulnerability of communities, Proceedings, Sri Lanka Association for the Advancement of Science, 1999 (abstract only).
- 54. Dias W.P.S., Pooliyadda S.P. and Kodagoda G.N. Energy database for building materials, Proceedings, Sri Lanka Association for the Advancement of Science, 1999 (abstract only)
- 55. Jayasinghe C. and Perera A.A.D.A.J. Stabilised soil block technology for Sri Lanka, Engineering Research Unit Annual Symposium in Transactions PP 147-160 1999, University of Moratuwa.
- 56. Jayasinghe C. and Perera A.A.D.A.J. Load bearing characteristics of Cement stabilised soil blocks, Institute of Engineers Sri Lanka, Transactions 1999.
- 57. Amarasinghe B.M.W.P.K. 'Novel Separation Techniques for the Chemical and Process Industries', 'Chemiunique', 1999.
- 58. Bhattacharya S.C., Attalage R.A., Leon M.A., Amur G.Q., Salam P.A. and Thanawat C. Potential of biomass fuel conservation in selected Asian countries, Energy Conservation and Management, Vol 40, pp 1141-1162, 1999
- 59. Peiris T.S.G. and Fernando M.T.N. Demand for Farm Managers in the Coconut Estate Sector. 1-47pp,1999.
- 60. Peiris T.S.G. Database Management in Excel. Handbook on Survey Design and Analysis (Editor. R. O. Thattil), Chapter 8, 52-64 pp. Postgraduate Institute of Agriculture, University of Peradeniya,1999.
- 61. Somasiri L.L.W., Peiris T.S.G., Wijebandara D.M.D.I. and Bandara E.M.A.T. Status of exchangeable bases of the upland soils of the Kurunegala catena of the coconut triangle. Proceedings of the 55<sup>th</sup> Annual Session of the SLAAS, 57 pp,1999.
- 62. Nanayakkara T., Watanabe K. and Izumi K. "Evolving in Dynamic Environments Through Adaptive Chaotic Mutation," in Proc. of Third International Symposium on Artificial Life and Robotics, vol. 2, 1999, pp. 520-523
- 63. Nanayakkara T., Watanabe K., Kiguchi K. and Izumi K. "Evolutionary Optimization with Strategic Moves Based on Historical Knowledge," in Proc. of the 1st SOFT Kyushu Branch Annual Conference, 1999, pp. 21-28
- 64. Nanayakkara T., Watanabe K. and Izumi K. "Evolving Runge-Kutta-Gill RBF Networks to Estimate the Dynamics of a Multi-Link Manipulator," in Proc. of IEEE International Conference on Systems, Man, and Cybernetics, vol. 2, 1999, pp. 770-775.
- 65. Watanabe K., Izumi K. and Nanayakkara T. "Dynamic Identification of a Manipulator by a Runge--Kutta--Gill Neural Network," in Proc. of 15th Fuzzy System Symposium, pp. 791--794, 1999.
- 66. Cooray T.M.J.A. Comparison of Time Series Models For Tea, Rubber, Coconut and Paddy Data in Sri Lanka, (MSc Theses), University of Colombo, Sri Lanka, 1999.

- 01. De Alwis A.A.P. Ownership and Management of Biogas Systems: Some thoughts from the Sri Lankan experience, e-net, issue 2, December 1998, ITDG international publication.
- 02. Bandara J.M.S.J. and Bandara N.J.G.J. "Identification of a Methodology to Estimate Vehicle Emissions in Sri Lanka", Proceedings, Fourth Annual Forestry & Environment Symposium, University of Sri Jayawardenepura, Sri Lanka, December 1998.
- 03. Bandara J.M.S.J. and Sunanda I.P. et al "Estimation of Saturation Flows at Signalized

- Intersections", Paper presented at the 54<sup>th</sup> Annual Sessions of SLAAS, University of Sri Jayawardenepura, December 1998.
- 04. Bandara J.M.S.J., Kumarage A.S. and Kumara M.A.W. "Development of a Road Network Data Base for Sri Lankan Roads", Paper presented at the 54<sup>th</sup> Annual Sessions of SLAAS, University of Sri Jayawardenepura, December 1998
- 05. Bandara J.M.S.J. and Bandara N.J.G.J. "Identification of a Methodology to Estimate Vehicle Emissions in Sri Lanka", Proceedings, Fourth Annual Forestry & Environment Symposium, University of Sri Jayawardenepura, Sri Lanka, December 1998.
- 06. Bandara, J.M.S.J. and Sunanda, I.P. et al "Estimation of Saturation Flows at Signalized Intersections", Paper presented at the 54<sup>th</sup> Annual Sessions of SLAAS, University of Sri Jayawardenepura, December 1998.
- 07. Bandara J.M.S.J., Kumarage A.S. and Kumara M.A.W. "Development of a Road Network Data Base for Sri Lankan Roads", Paper presented at the 54<sup>th</sup> Annual Sessions of SLAAS, University of Sri Jayawardenepura, December 1998.
- 08. Gunesekera M., Abeygunawardana I. and De Alwis A.A.P. Antimicrobial effects in management of wastewater treatment plants, 4<sup>th</sup> Annual Forestry and Environment Symposium 1998, 3-4 Dec. 1998, Beruwala.
- 09. Perera A.A.D.A.J. "River Sand and Lime: Now and Future", 54<sup>th</sup> Annual Session, Sri Lanka Association for the Advancement of Science December 1998
- 10. De Alwis A.A.P. Environment Protection and Energy Saving, Technology transfer workshop on waste minimization and effluent treatment, IDB Seminar, 26-28<sup>th</sup> November 1998, Colombo Galadhari Hotel.
- 11. Gunaratna P.P., Ranaweera. R.M.R.P. and Abeysirigunawardena D.S. "Application of Mathematical Modelling in Coastal Engineering Investigations", National Conference on the Status and Future Direction of Water Research in Sri Lanka, Colombo, Sri Lanka, November 1998.
- 12. Jayasinghe M.T.R., Attalage R.A. and Jayatunga P.T.P. Computer Simulation of Buildings with Passive Elements for Energy Efficiency, ERU symposium, University of Moratuwa, November 1998.
- 13. Wijayapala S., De Silva N.G.H. and De Alwis A.A.P. Positive environmental management via waste minimization in a textile washing facility, Procs. of the Annual Symposium Research for Industry, November 1998 UoM, pp157-167.
- 14. Gunesekera M., Abeygunawardana I., De Alwis A.A.P. and Pathirana. Antimicrobial effects in management of wastewater treatment plants with reference to Pharmaceutical industry, National conference on "The status and future direction of water research in Sri Lanka" 4-6 November 1998, BMICH, Colombo.
- 15. 81.De Alwis A.A.P. The need for the improvement of the country's science and technology base, 54<sup>th</sup> Annual Sessions of SLAAS: 14-19<sup>th</sup> November1998, Univ. of Sri Jayewardenepura, Nugegoda
- 16. De Alwis A.A.P. Biogas systems in decentralised energy generation, 54<sup>th</sup> Annual Sessions of SLAAS: 14-19<sup>th</sup> November 1998, Univ. of Sri Jayewardenepura, Nugegoda
- 17. Wijeyekoon S., Mino T., Satoh H. and Matsuo T. Tubular Biofilm Visualization by Episcopic Differential Interference Contrast and Confocal Epifluorescence Microscopy. Conference proceedings of the International Workshop on Biofilms in Aerobic Wastewater Treatment: An Interdisciplinary Approach, 9-10 November 1998, Garching, Germany, pp. 55-56.

- 18. Wijeyekoon S., Mino T., Satoh H. and Matsuo T. Development of an Experimental Methodology for Biofilm Structure Investigation under Different Hydrodynamic Conditions. Proceedings of the Annual Conference of Japan Society of Civil Engineering, 24-26 November 1998, Kyoto, Japan, pp. 150-152.
- 19. Briffett C., Ofori G., Ranasinghe M. and Gu G. ISO 14000 Practical Implications for the Construction Industry: Case Study in Singapore, Total Quality Management in Construction: Towards Zero Defect, Edited by T C Haupt, G Smith and O J Ebohon, Peninsula Technikon, Cape Town, South Africa, November 1998, pp. 2-15.
- 20. Ranasinghe M., Mathur K.S. and Leong C. Computer-Aided Project Control Approach Based on Risk Analysis, ASCE Fifth Congress on Computing on Civil Engineering Information Technologies in Civil Engineering, Boston, Massachusetts, October 1998, pp. 259-268.
- 21. Ranasinghe M., Mathur K.S. and Russell A.D. Lease or Build: A Case Study on the use of Risk Simulation, ASCE Fifth Congress on Computing on Civil Engineering Information Technologies in Civil Engineering, Boston, Massachusetts, October 1998, pp. 224-234.
- 22. Munasinghe S. and De Alwis A.A.P. Assessment of the potential for biogas development in Sri Lanka, Procs of the Int. conference on Role of Renewable Energy Technology for Rural Development, RETRUD-98, 12-14 October 1998, Kathmandu, Nepal
- 23. Kulathilaka S.A.S. Model Studies on Anchored Tyre Earth Retaining Structures and Development of a Design Method Published in the proceedings of the Sri Lankan Geotechnical Society Conference on Earth Retaining Structures September 1998 pp 43-58
- 24. Kulathilaka S.A.S. Different forms of Earth Retaining Structures, their mechanisms, Methods of Design and Construction Keynote paper, Published in the Proceedings of the Sri Lankan Geotechnical Society Conference on Earth Retaining Structures Sept. 1998 pp 1-34
- 25. Bandara S. "The Safety of Pedestrians" Paper presented at the seminar on Road Safety and Problems of Pedestrians, Colombo Sept 1998.
- 26. Kumarage A.S. and Bandara S. et al "Derivation of a signal timing scheme for an externally signalized roundabout", Journal of the Institute of Engineers, Sri Lanka. Vol xxvii, #2, August 1998, pp37-45.
- 27. Dias W.P.S. Assessment of structures in distress. Seminar on Concrete Repair, Strengthening, Fire & Blastproofing, Society of Structural Engineers, Colombo, July 1998.
- 28. Gunaratna P.P., Justesen P., Abeysirigunawardena D.S. and Scheffer H-J. "Application of Mathematical Modelling in Optimizing Layout of a Large Industrial Fishery Harbour", 26th International Conference on Coastal Engineering, Copenhagen, Denmark, June 1998.
- 29. De Alwis A.A.P. Biogas Systems in Sri Lanka: Have we been technically efficient or technically blind?, International Workshop on the Design, Performance and Marketability of Biogas Systems, 9-13 May 1998, Department of Agricultural Engineering, University of Ruhuna.
- 30. Ranasinghe M. Opportunities for Financing Overseas Infrastructure Projects, Congress Proceedings, The Third International Congress on Construction, Singapore, May 1998 pp. 119-124.
- 31. Ranasinghe M. and Kim L.S. Risk Analysis in Financing Overseas Infrastructure Projects, Congress Proceedings, The Third International Congress on Construction, Singapore, May 1998, pp. 139-144.

- 32. Jayawardane A.K.W. Issues and problems on Resources Materials, Human and Equipment, Lead speaker, Moderator and the Rapporteur, Workshop on construction industry development, ICTAD, April 1998.
- 33. Knowledge-based supervisory control system of a fish processing workcell; Part II: Implementation and evaluation, De Silva C.W. and Wickramarachchi N. Engineering Applications of Artificial Intelligence, February 1998, vol. 11, no. 1, pp. 119-134(16)
- 34. Ranasinghe M. A Method to Analyze Viability of Private Sector Participation in New Infrastructure Projects in Sri Lanka, Institute of Policy Studies, Sri Lanka, Feb. 1998, ISBN 955-9122-67-3.
- 35. Bandara S. "Developing the Air Transport Market in Sri Lanka", Forum on commercial aviation in Sri Lanka in the next time decades, the prospects, the Issues" The Charted Institute of Transport in Sri Lanka, Colombo, Feb. 1998.
- 36. Ranasinghe M. Risk management in the insurance industry: insights for the engineering construction industry, Construction Management and Economics, E&FN Spon, U.K., Vol. 16(1), pp. 31-39,1998.
- 37. Ranasinghe M. Thoughts on a methodology to analyze viability of private-sector participation in new infrastructure projects in developing countries, Impact Assessment and Project Appraisal, Beech Tree Publishing, U.K., Vol. 16, No.3, pp. 203-213,1998.
- 38. Jayawardane A.K.W. and Gunawardena N.D. Construction workers in developing countries a case study of Sri Lanka, Journal of Construction Management and Economics, E&FN Spon, Vol 16, pp521-530),1998.
- 39. Dias W.P.S. Effect of data transformation on artificial neural networks. Proceedings, Sri Lanka Association for the Advancement of Science, 1998 (Abstract only).
- 40. Dias W.P.S. Computational implementations of hierarchical structures in building design and structural engineering. Proceedings, Sri Lanka Association for the Advancement of Science, 1998 (Abstract only).
- 41. Kumara M.W., Kumarage A.S. and Bandara J.M.S.J. "Development of Road Network Database for Sri Lankan Roads" a paper accepted for presentation and publication at the 54<sup>th</sup> Anniversary of the Sri Lankan Association for Advancement of Science (SLAAS), 1998
- 42. Digital drive system for stitch length control in circular knitting, Dias T., Chien-Fa T. and Lanarolle G. Mechatronics 98, Sweden.
- 43. Knowledge-Based Supervisory Control System of a Fish Processing Workcell; Part I: System development, De Silva C.W. and Wickramarachchi N. Engineering Applications Of Artificial Intelligence, International Journal Of Intelligent Real-Time Automation, 1998.
- 44. Wickramarachchi N.K. Power Electronics Design Handbook, Kularatna N. (Edt), Butterworth-Heinemann. 1998
- 45. Kulathilaka S.A.S. Application of Finite Element Method to Analyse Retaining Wall Behaviour Published in Geotechnical Journal Journal of the Sri Lankan Geotechnical Society ,1998. pp14-27
- 46. Kulathilaka S.A.S. Proceedings of the Sri Lankan Geotechnical Society Seminar on New British Code for Earth Retaining Structures BS 8002,1998.
- 47. Peiris T.S.G. and Thattil R.O. The study of climate effects on the nut yield of coconut using parsimonious models. J. of Experimental Agriculture, 34, 189-206,1998.
- 48. Dias W.P.S. Graded examples in reinforced concrete design, Second edition, Asian Center for Engineering Computations and Software, AIT, Bangkok, 1998.

- 49. Sajeewarekha S., Senarathne U. and De Alwis A.A.P. Use of anaerobic digestion as a process waste recycling techniqe for brewery spent grains, International Workshop on Biogas Systems, University of Ruhuna, 1998.
- 50. Amarasinghe A.D.U.S. and Wilson D.,I. 'On-Line Monitoring of Ceramic Paste Extrusion', J. Am. Ceram. Soc., 82 (9) 2305-12, 1998.
- 51. Olomolaiye P.O., Jayawardane A.K.W. and Harris F.C. Construction Productivity Management, published by Addison Wesley Longman, UK,1998.
- 52. Bandara S. "Re-organization of Urban Public Transport Alternative Approaches", Invited lecturer organized by the Institute of Project Managers, Sri Lanka, Colombo 1998.

- 01. Gunaratna P.P., Justesen P. and Abeysirigunawardena D.S. "Modelling of Hydrodynamics off the Western Coast of Sri Lanka", Second Indian National Conference on Harbour and Ocean Engineering, Thiruvanandapuram, India, December 1997
- 02. Peiris T.S.G. and Mathes D.T. The Analysis of long term rainfall variability at selected location in Sri Lanka. Proceedings of the International Congress on Modelling and Simulation, 06-11 December, 1997, Hobart, Australia. 69-74.
- 03. Bandara S. "Transport for Meaningful Development", paper presented at the International Symposium on Meaningful Development 53rd Annual Sessions of the SLAAS Ruhuna University, Matara, December 1997.
- 04. Bandara S. "Transport for Meaningful Development", paper presented at the International Symposium on Meaningful Development 53rd Annual Sessions of the SLAAS Ruhuna University, Matara, December 1997.
- 05. Jayawardane A.K.W. and Gunawardena N.D. A labour market information system for the construction industry in Sri Lanka Part I: methodology, 1st Int. Conf. on construction industry development: building the future together, National University of Singapore, Dec. 1997.
- 06. Gunawardena N.D. and Jayawardane A.K.W. A labour market information system for the construction industry in Sri Lanka Part II: labour market analysis, 1st Int. Conf. on construction industry development: building the future together, National University of Singapore, Dec. 1997.
- 07. Jayawardane A.K.W. Theme E: Resource development rapporteurs report, 1st Int. Conf. on construction industry development: building the future together, National University of Singapore, Dec. 1997.
- 08. Ranasinghe M. A case study on the value of waterfalls threatened by the construction of a hydropower project in Sri Lanka, 1st International Conference on Construction Industry Development: Building the Future Together, Singapore, December 1997, Vol. 1, pp. 215-224.
- 09. Ranasinghe M. Theme A2: Broad Issues Relating to the Industry, 1st International Conference on Construction Industry Development: Building the Future Together, Singapore, Dec. 97, Sup. Vol., pp. 36-41.
- 10. Ranasinghe M. and Wanigasundara P. The policy implications of private sector projects for water supply in Sri Lanka, 1st International Conference on Construction Industry Development: Building the Future Together, Singapore, December 1997, Vol. 1, pp. 225-231.

- 11. Jayasinghe M.T.R. and. Attalage R.A. Minimisation of Energy Usage in Commercial Sector, Proc. ASHRAE conference on Integrating Building Technology with Environment, November 1997, Kuala Lumpur. Malaysia.
- 12. Gunaratna P.P., Justesen P. and Abeysirigunawardena D.S. "Nearshore Wave Modelling in a Reef Protected Coastal Area", Pacific Coasts and Ports'97 Conference, Christchurch, New Zealand, September 1997.
- 13. Bandara S. "Airport Terminal Planning" Invited Lecture organized by society of structural engineers Sri Lanka, August 1997.
- 14. Dais W.P.S., Perera A.A.D.A.J., Nanayakkara S.M.A. Sahayan S.J.M. and Sathyaprassad I.M.S., Interim Sand Study: Alternative for River Sand, Department of Civil Engineering, University of Moratuwa, August 1997.
- 15. Gunaratna P.P., Justesen P. and Abeysirigunawardena D.S. "Mathematical Modelling of Hydrodynamics in a Reef Protected Coastal Stretch", Second Danish Hydraulic Institute's Software User Conference, Helsingør, Denmark, June 1997.
- 16. An Innovative Machine for Automation of Fish Processing, IEEE/ASME trans. On Mechatronics, Wickramarachchi N. and. De Silva C.W, Vol 2, No 2, June 1997
- 17. Dias W.P.S. and Al-Kabbani, I. Design and performance of 11350 cu.m. rectangular jubilee reservoir in Sri Lanka, Engineer, Sri Lanka, June 1997, pp.74-81.
- 18. Dias W.P.S. Discussion on "Engineering on the right by D.M. Brohn", Structural Engineer, Vol. 75, No. 9, 6 May 1997, pp. 159-160.
- 19. Peiris T.S.G. Evaluation of subsidy programmes in coconut and technology transfer. A paper presented to the International Workshop on Technology Development and Transfer in Coconut, 1-5 April 1997, Lunuwila, Sri Lanka.
- 20. Edirisinghe EM.R.K.B., Samaranayake C.P., Bamunuarachchi A., Walpala S. and De Alwis A.A.P., Nutrient retention in ohmic processing, Procs of Seventh International Congress on Engineering and Food, Brighton, UK, 13-17 April, 1997.
- 21. Bandara S. "Airport terminals in the Future", Proceedings of the 5th the International conference organized by the Chartered Institute of Transport, Sri Lanka, March 1997.
- 22. Wijeyekoon S., Mino T., Satoh M. and Matsuo T. Biological Activities of an Aerobic Filter Polishing the effluent from an Activated Sludge Treatment Process. Proceedings of the 31st Annual Conference of Japan Society on Water Environment, 25-27 March 1997, Hokkaido, Japan, pp. 28
- 23. Dias W.P.S. and Bamunusinghe A. Energy and environmental audit of building materials. Open University Review of Engineering Technology, Vol. 3, No. 1, Part 1, March 1997, pp. 94-101.
- 24. Attalage R.A. Energy Utility Upgrading through Exergy Analysis, Proc. OUR Engineering Technology Vol 3 Symposium on An Energy Policy for Sri Lanka, March 1997, The Open University of Sri Lanka.
- 25. Attalage R.A. and Wijayatunga D.P.C. Energy Conservation Potential in the Commercial Sector in Sri Lanka, Proc. OUR Engineering Technology Vol 3 Symposium on An Energy Policy for Sri Lanka, March 1997, The Open University of Sri Lanka
- 26. Jayasinghe M.T.R and Attalage R.A..Minimisation of Energy Usage in Commercial Sector, Proc. OUR Engineering Technology Vol 3 Symposium on An Energy Policy for Sri Lanka, March 1997, The Open University of Sri Lanka.
- 27. Peiris T. S. G. and Mathes D.T. Rainfall changes scenarios in coconut growing areas in Sri Lanka. Proceedings of the National Symposium of Climate Change, 7-8 March 1997, Colombo, Sri Lanka.

- 28. Peiris T.S.G. and Thattil R.O. Climate analysis the effect of climate on coconut. Proceedings of the National Symposium of Climate Change, 7-8 March 1997, Colombo, Sri Lanka.
- 29. Jayawardane A.K.W. and Srikumaran K. Organisation of site management for building projects a review, Engineer, Journal of the IESL, XXV(2),1997.
- 30. Jayawardane A.K.W. and Srikumaran K. Some aspects of project control by major contractors a review, Engineer, Journal of the IESL, XXV(1), 1997.
- 31. Ranasinghe M. Reconciling private profitability and social costs: the case of clay mining in Sri Lanka, Project Appraisal, Beech Tree Publishing, U.K., Vol. 12, No.1, pp.31-42,1997.
- 32. Ranasinghe M. Bounds on the value of waterfalls: a case study from a hydropower project, Project Appraisal, Beech Tree Publishing, U.K., Vol. 12, No. 3, pp. 185-192,1997.
- 33. Ranasinghe M. Clay mining for building materials: future land use, Engineer, Journal of the Institution of Engineers, Sri Lanka, Vol. 25, No. 2, pp. 42-49, 1997.
- 34. Seneviratne P.N. and Ranasinghe M. Transportation infrastructure financing: evaluation of alternatives, Journal of Infrastructure Systems, ASCE, Vol. 3, No. 3, pp. 111-118,1997.
- 35. Dias W.P.S. Influence of curing method and duration on sorptivity of concrete and mortar, Paper SP170-55, in Durability of Concrete (ed. V.M. Malhotra), American Concrete Institute, Michigan, 1997, pp. 1073-1095.
- 36. Dias W.P.S. Sensitivity and Substitutability in Concrete Construction, Asia Pacific Building and Construction Management Journal, Vol. 2, No. 2, 1997.
- 37. Edirisinghe E.M.R.K.B., Bamunuarachchi A. and De Alwis A.A.P. Study of some physical changes in selected foods during ohmic heating', Ceylon Journal of Sciences: Physical Sciences 4(1), 61-72,1997.
- 38. De Alwis A.A.P. Biogas as an Energy Resource: Learning from past Mistakes, OUR Engineering Technology, 3, 1, pp 5-12, 1997.
- 39. Wickramasinghe G.L.D. and Fernando A. Optimization of energy consumption and productivity of a garment factory, Proceedings of the symposium on research for industry, Engineering Research Unit, University of Moratuwa, Sri Lanka, 1997
- 40. Sumanarathna I.H.D., Mallawarchchi D.P. and Kulathilaka S.A.S. Stabilisation of Slopes by Anchored Tyre Retaining Structures published in the XIV<sup>th</sup> International Conference in Soil Mechanics and Foundation Engineering held in Germany in 1997. pp 1261-1264
- 41. Peiris T.S.G. and Samarajeewa S. Evaluation of Coconut Subsidy Programs. 1- 128pp ,1997.
- 42. Peiris T.S.G. and Thattil R.O. Assessment of the effects of environmental factors on yield of coconut. Cocos, 12, 1-18, 1997 a.
- 43. Peiris T.S.G. and Thattil R.O. Alternative methods to determine optimal plot size for perennial tree crops. Cocos, 12, 44-54, 1997 b.
- 44. Karunaratne S. and Dias W.P.S. (eds.) University of Moratuwa: History: 1972-1997, University of Moratuwa, 1997.
- 45. Bandara J.M.S.J. Traffic Signal System with Computer Interface with Traffic Signal Design Program, 1997.
- 46. De Alwis A.A.P. Water Pollution Control, Harmonising Environment and Development in South Asia Wijayadasa KHJ (Ed.), Publication of SACEP/UNEP/NORAD,1997.
- 47. Nanayakkara T., Nakamura M. and Kyura N. "Accurate Contour Control of an Industrial Robot Arm by Employing Modified Taught Data and Synchronous Positioning of POsition Output Algorithms", Proc. of SICE Kyushu, 1997, Kagoshima, Japan ,1997.

48. Perera A. and Jayasinghe M.T.R. Improvements to Cement Block Manufacturing, Report Submitted to REDECO, Sri Lanka Land Reclmation and Development Board Colombo, 1997

- 01. De Alwis A.A.P. Biotechnology and Sri Lanka, Conference on Biotechnology and its Global impact, Braunschweig, Germany, 7-11 Oct. 1996.
- O2. Ranasinghe M. Public private partnerships: case study of the power sector projects, Annual Transactions, Institution of Engineers, Sri Lanka, October, 1996, Vol. 1, pp. 84-91.
- 03. Ranasinghe M. and Wanigasundara P. BOT/BOO projects for water supply: the policy implications, Annual Transactions, Institution of Engineers, Sri Lanka, October 1996, Vol. 1, pp. 70-83.
- 04. Firdhous M.F.M. and Dias G.V. "The Introduction of Internet in Sri Lanka", in Proc. 15th National IT Conference, Colombo, Sri Lanka, Sept. 1996.
- 05. Fernando S., Wijesoma W.S. and Dias G. "Expansion of Multimedia Message Distribution to Contraint Environments: an Implementation Launch", in Proc. 15th National IT Conference, Colombo, Sri Lanka, Sept. 1996.
- 06. Jayawardane A.K.W. and Gunawardane N.D. Labour market information system, Awareness Seminar for industry practitioners and trainers, ICTAD, Aug. 1996.
- 07. Dias G. V., Cope G. and Wijayaratne R. "A Smart Internet Caching System", in Proc. Inet96, Montreal, Canada, June 1996. http://www.isoc.org/inet96/proceedings/a4/a4\_3.htm,1996.
- 08. Dias W.P.S. and Hettiarachchi S.S.L An object oriented systems approach for modelling estuarial and costal sand budgets, Engineer, Sri Lanka, June 1996, pp. 19-29.
- O9. Tittagala R.S. and Wijayathunga V.N. Serviceability of Bolt-Nut Assemblies Proceedings of the ERU Seminar on 'Research for Industry 1996'
   (Conducted by the Engineering Research Unit, University of Moratuwa)
   May 1996, University of Moratuwa
- 10. Jayasuriya J.P.W. and Attalage R.A. Building envelop Performance Index for commercial building energy conservation, Industrial Related Research Seminar, April 1996, University of Moratuwa-Sri Lanka.
- 11. Bandara S. "Design Requirements for Bus Terminals", Invited Lecture organized by Charted Institute of Transport (Sri Lanka), March 1996.
- 12. Jayawardane A.K.W. Contractor's cost control. Seminar on cost control applications in the construction industry and future trends, CHPB in association with the ICTAD, Savsiripaya, Feb. 1996
- 13. Perera A. "Life Cycle Costing", Seminar on Cost Control Applications in the Construction Industry and Future Trends, The Centre for Hosing and Planning in association with The Institution for Construction Training and Development (ICATD), February 1996.
- 14. Dias W.P.S. Multi-disciplinary product modelling of buildings, ASCE Journal of Computing in Civil Engineering, Vol. 10, No. 1, January 1996, pp. 78-86.
- 15. Ranasinghe M. Mine restoration bond for clay mining and its impact on the prices of building materials in Sri Lanka, Construction Management and Economics, E&FN Spon, U.K, Vol. 14, pp. 165-174,1996.

- 16. Ranasinghe M. Total project cost under inflation: a simplified model for decision makers, Construction Management and Economics, E&FN Spon, U.K., Vol. 14, pp. 497-505, 1996.
- 17. Ranasinghe M. Clay mining for building materials: analysis framework, Engineer, Journal of the Institution of Engineers, Sri Lanka, Vol. 24, No. 1, pp. 45-55,1996.
- 18. Ranasinghe M. Clay mining for building materials: feasibility and environmental costs, Engineer, Journal of the Institution of Engineers, Sri Lanka, Vol. 24, No. 2, pp. 5-13,1996.
- 19. Dias D. and Dias G. "Placing Sri Lanka on the IT map: A Case Study", in Transactions of the Institution of Engineers, Sri Lanka, 1996
- 20. Jayawardane A.K.W. and Sadacharan P.S. Safety, health and welfare on construction sites, Engineer, Journal of the IESL, XXIV(1), 1996.
- 21. Dias W.P.S. and Weerasinghe R.L.D. Artificial neural networks for construction bid decisions. Civil Engineering Systems, Vol. 13, 1996, pp. 239-253.
- 22. Dias W.P.S. Design from breakdowns: The integration of design and diagnosis, in Information Technology in Civil and Structural Engineering Design (eds. B. Kumar, I.A. MacLeod and A. Retik), Inverleith Spottiswoode, Edinburgh, 1996, pp. 77-80.
- 23. Samaranayake C.P., Bamunuarachchi A, and De Alwis A.A.P. Peroxide formation in Ohmic heating of meats, Ceylon Journal of Physical Sciences, 3(1), 30-35. Development of Knowledge-Based Hierarchical Control Structure for Process Automation, PhD Thesis, University of British Columbia, Canada, 1996.
- 24. Amarasinghe B.M.W.P.K. 'Scrubber Design-use of local packing materials', Project report, 1996.
- 25. Amarasinghe B.M.W.P.K. and Fonseka P.N.P, 'Waste Minimization in a Distillery 'Project report under Industrial Pollution Reduction Program, 1996.
- 26. Peiris T.S.G. and Thattil R.O. Application of agroclimatology to some aspects of Coconut research. J. Plant. Crops (Supplement) in India, 24, 24-35,1996.
- 27. Bandara S. and Kumarage A. "Use of Network Theory in Transportation Planning in Colombo City", Proceedings of the Symposium on Mass Transit System for Colombo Metropolitan Region, Sept. 1996, OUR Engineering Technology, Vol.2,#4 part 1 Open University of Sri Lanka,pp.26-32.
- 28. Wijesekera N.T.S., Bhuvendralingam S., De Alwis A.A.P., Butler J., Smythe R., Gunaratna M.H., Vattala H.D.V.S. and Ranawana S. Sri Lanka Industrial estate siting study, Symposium on Research for Industry, Engineering research unit seminar, 1996.
- 29. Nanayakkara T., Nakamura M., Nanayakkara D.P.N. and Furukawa K. "Identifying the Burning Process of a Coal Fired Power Plant to Achieve Desired Fly-Ash Compositions", Proc. of IFAC SYSID, 1996, Kitakyushu, Japan.
- 30. Fernando M.S.D., Wijesoma W.S. and Dias G.V. "Expansion of Multimedia Message Distribution to Constrained Environments", (1996), CSSL Proceedings 1996, 15th National Information Technology Conference, Colombo

- 01. Dias W.P.S. and Weerasinghe R.L.D. Bidding behaviour of Sri Lankan contractors. Engineer, Sri Lanka, December 1995, pp. 5-17.
- 02. Peiris T.S.G. and Thattil R.O. The analysis of climate system: Parsimonious crop-weather model. Proceedings of the 6th International Conference on Environmetrics, 6-9 December 1995, Malaysia.

- 03. Dias W.P.S. and Blockley D.I. Reflective Practice in Engineering Design, ICE Proceedings on Civil Engineering, Vol. 108, Issue 4, November 1995, pp. 160-168.
- 04. Bandara S. "Bad State of Our Roads, Who is responsible", Paper presented at the 51<sup>st</sup> Annual Sessions of SLAAS, Open University of Sri Lanka, Nov. 1995
- 05. Ranasinghe M. A model for project cost, Annual Transactions, Institution of Engineers, Sri Lanka, October, 1995, Vol. 1, pp. 96-105.
- 06. Dias W.P.S. and Hettiarachchi S.S.L. A systems approach for modelling the sediment budget in coastal erosion. Proc. 4th Int. Conf. on Coastal and Port Engineering in Developing Countries (COPEDEC IV), Rio de Janeiro, September 1995, pp. 552-565.
- 07. Dias W.P.S. Sorptivity testing for assessing concrete quality. Proc. Int. Conf. on Concrete under Severe Exposure Conditions (CONSEC'95), Sapporo, Japan, E.& F.N. Spon, London, August 1995, pp. 433-442.
- 08. Ratnasooriya A.H.R. Workshop on "Remote Sensing and Geographical Information Systems in Irrigation and Water Management" conducted by the Department of Civil Engineering, University of Moratuwa, Sri Lanka, August 1995
- 09. Ratnasooriya A.H.R. Training course on "Integrated Coastal Zone Management" conducted at the International Institute for Infrastructural Hydraulic and Environmental Engineering in Delft, Netherlands, June 1995
- 10. Bandara S."Way out of congestion through traffic management", presentation to seminar on traffic congestion in Kandy organized by I.E.S.L. center, central province, Peradeniya, July 1995.
- 11. Bandara S."Intersection control methods" Invited lecture organized by SLAAS (Section c) & Charted Institute of Transport (Sri Lanka), June 1995.
- 12. Perera A. Introduction of Compressed Soil Blocks to Sri Lanka, Final Report submitted to GATE/GTZ Small Scale Project, June 1995
- 13. Wijesoma W.S., Fernando M.S.D. and Dias G.V. "Multimedia Message Distribution in a Constrained Environment", in Proc. Inet 95, Honolulu, Hawaii, June 1995. http://www.isoc.org/HMP/PAPER/030/ps/paper.ps
- 14. Dias D., Dias G. and Perera U. "Extending the reach of the Internet through paging", in Proc. INET '95, Honolulu, Hawaii, May 1995. http://www.isoc.org/HMP/PAPER/093/ps/paper.ps
- 15. Jayawardane A.K.W. Project management tools in computer packages. Seminar on computer applications in project management, ICTAD, May 1995.
- 16. Perera A.A.D.A.J. and Seneviratne A. "Experience of Low Cost House Construction", Seminar cum Workshop on "Cement Stabilized soil Blocks (Low Cost Housing)", University of Moratuwa, Sri Lanka, May 1995.
- 17. Perera A.A.D.A.J. "Soil Block Houses", Seminar cum Workshop on "Cement Stabilized soil Blocks (Low Cost Housing)", University of Moratuwa, Sri Lanka, May 1995.
- 18. Tittagala R.S. and Tilakawardena D. A Nitriding Technique for Improving Die Life. Proceedings of the ERU Seminar on 'Industry Related Research' (Conducted by the Engineering Research Unit, University of Moratuwa) March 1995, University of Moratuwa
- 19. Perera A.A.D.A.J. and Seneviratne A. "Implementation of Low Cost House Construction Methods: Experiences of Kosgama and Puwakpitiya Projects", Seminar on "Further Utilization of Small Diameter Timber Poles", Organized by TRADA/LEADS Colombo, March 1995.

- 20. Jayawardane A.K.W. Material and labour wastage on Sri Lankan construction sites, Asia Pacific Building and Construction Management Journal, 1(1), Hong Kong, 1995.
- 21. Jayawardane A.K.W., Price A.D.F. and Harris F.C. Measurement of brickwork and blockwork productivity: Part B, Building Research and Information, 23(3), 1995.
- 22. Jayawardane A.K.W., Price A.D.F. and Harris F.C. Measurement of brickwork and blockwork productivity: Part A, Building Research and Information, 23(2),1995.
- 23. Ranasinghe M. CALM: an innovative approach for contingency allocation and management for buildings, Journal of Real Estate and Construction, Singapore University Press, Vol. 5, pp. 83-97, 1995.
- 24. Perera A.A.D.A.J. "Puwakpitiya and Kosgama Low Cost Housing Projects", Transactions, Institute of Engineers, Sri Lanka, 1995.
- 25. An investigation of the effects of fuzzy resolution on control inference using explicit relationships, Wickramarachchi N. and De Silva C.W. Systems, Man and Cybernetics, IEEE International Conference on Intelligent Systems for the 21st Century, 1995.
- 26. Amarasinghe B.M.W.P.K.. Design Aspects of a Gas Handling Unit' in July 1993, Seminar on Air Quality Management in Chemical Plants, Inst. of Engineers, Sri Lanka. 1995.
- 27. Amarasinghe B.M.W.P.K. 'Surface and Colloidals Application in Chemical Engineering' in December 1993 in Seminar 'Making the Future Happen', University of Moratuwa, Sri Lanka, 1995.
- 28. Kulathilaka S.A.S. Ground Improvement Techniques Applicable to Sri Lanka Published in the Sri Lankan Geotechnical Society Seminar on Experiences in Techniques of Foundation Treatment and Ground Improvement, 1995.
- 29. Peiris T.S.G., Thattil R. O. and Mahindapala R. An analysis of the effect of climate and weather on coconut (Cocos nucifera). J. of Experimental Agriculture, 31 (4), 451-460, 1995.
- 30. Gunathilake H. A. J., Somasiri L.L.W., Peiris T.S.G., Fernando M. T. N. and Pinto J.L.J. G. Current status of weeds and weed management in coconut lands. Proceeding of Weed Science Society of Sri Lanka 1995.
- 31. Dias W.P.S. Graded examples in reinforced concrete design, Society of Structural Engineers Sri Lanka, Colombo, 1995.
- 32. Bandara S., Wirasinghe S.C., Gurofsky D. and Chan P. "Grade-Separated Pedestrian Circulation Systems", Transportation Research Record 1438, 1995, PP. 59-66.
- 33. Sivapathasundaram R., Wanigasekera N. and De Alwis A.A.P. Biomethanation studies at University of Moratuwa, ERU Proceedings of Industrial Related Research, 1995
- 34. Walpala S., De Alwis A.A.P. and Edirisinghe E.M.R.K.B. Ohmic heating for Tropical food processing, ERU Proceedings of Industrial Related Research, 1995.
- 35. De Silva S., Wijesoma S. and De Alwis A.A.P. (1995), Computer integration for Sri Lankan industries A review, ERU Proceedings of Industrial Related Research, 1995
- 36. Perera A.. Two Storey Low Cost Houses by Using Soil: Cement blocks, Small diameter Poles, MCR Tiles and A new Floor Slab System, 1995.
- 37. Fernando M.S.D., Wijesoma W.S. and. Dias G.V. "Multimedia Message Distribution in a Constrained Environment", Conference Proceedings, Inet '95 International, Hawaii, USA ,1995.
- 38. Fernando M.S.D., Wijesoma W.S. and Dias G.V. A Strategy for Multimedia Message Routing and Delivery for the Less Privileged", Conference Proceedings, SEARCC '95 International Conference, Colombo: ,1995.

- 01. Ratnasooriya A.H.R. Seminar on "Application of Nuclear Techniques to Coastal Engineering" organized by the Atomic Energy Authority of Sri Lanka, Colombo, December 1994
- 02. Peiris T.S.G. and Thattil R.O. Application of Agro meteorology to some aspects of coconut research. Proceedings of the International Symposium on Plantation Crops, held at the Calicut, Kerala, India, 30 November 03 December 1994, 5pp
- 03. Ranasinghe M. Environmental bond for clay mining in Sri Lanka, Golden Jubilee Sessions of the Sri Lanka Association for the Advancement of Sciences, Colombo, Sri Lanka, December 1994.
- 04. Bandara S. "Safety Features in Parking", Presentation to seminar on Program Towards Safer National Highways in Sri Lanka, organized by Office of the Ministry of State for Highways and Road Development Authority, December, 1994.
- 05. Jayawardane A.K.W. and Price A.D.F. A new approach for optimising earthmoving operations: Part II Proc. of the Institute of Civil Engineers, Transport Journal, 105, Nov. 1994.
- 06. Dias W.P.S. and Blockley D.I. The integration of product and process models for design, Design Studies, Vol. 15, No. 4, October 1994, pp. 417-432.
- 07. Bandara S. and Abeygunawardene C. "Road Management & Road user Behavior", Proceedings of the 6<sup>th</sup> Annual Sessions of the Charted Institution of Transport, Oct. 1994.
- 08. Peiris T.S.G. and Thattil R. O. Use of dimensional reduction methods for selection of variables in agro meteorology aspects on coconut. Proceedings of the International Conference of the Royal Statistical Society, held at the university of Newcastle Upon Tyne, 12-16 September 1994, 121 pp.
- 09. Jayawardane A.K.W. and Price A.D.F. A new approach for optimising earthmoving operations: Part I Proc. of the Institute of Civil Engineers, Transport Journal, 105, Aug. 1994
- 10. Jayawardane A.K.W. and De Mel J. Computer applications in project management, Nat. Conf. on project management in construction, Ministry of Housing, Construction and Public Utilities, BMICH, Aug. 1994.
- 11. Ranasinghe M. Quantification and Management Uncertainty of Project Costs, National Conference on Project Management, Colombo, Sri Lanka, August 1994.
- 12. Dias W.P.S. Impact testing of hollow block armour units. Concrete International, Vol. 16, No. 6, June 1994, pp. 48-54.
- 13. Dias W.P.S. Influence of mix constituents and workmanship factors on concrete strength and durability. Engineer, Sri Lanka, June 1994, pp. 3-18.
- 14. Dias W.P.S. Structural ductility and controlled progressive collapse. Modulus, Vol. 5, No. 2, Society of Structural Engineers, Sri Lanka, June 1994.
- 15. Perera A.A.D.A.J. "Landcrete Blocks", Journal of the Institute of Engineers, Sri Lanka, June 1994.
- 16. Dias W.P.S. Discussion on "Influence of surface finish on sorptivity of concrete by W.J. McCarter". ASCE Journal of Civil Engineering Materials, Vol. 6, No. 2, May 1994.
- 17. Dias W.P.S., Jayanandana, A.D.C., Fonseka, M.C.M. and Perera, A.A.D.A.J. Distress in prestressed concrete roof girders at cement plant. ASCE Journal of Performance of Constructed Facilities, Vol. 8, No. 1, February 1994. pp. 6-15.

- 18. Dias W.P.S. Structural failures and design philosophy. The Structural Engineer, Vol. 72, No. 2, Jan 18, 1994. pp.25-29.
- 19. Kulathilaka S.A.S. Back Analysis of Backfill Compacted Retaining Wall case Studies Published in the 13th International Conference in Soil Mechanics and Foundation Engineering, held in New Delhi, India in January 1994
- 20. Ranasinghe M. Quantification and management of uncertainty in activity duration networks, Construction Management and Economics, E&FN Spon, U.K, Vol. 12, pp. 15-29, 1994.
- 21. Ranasinghe M. Contingency allocation and management for building projects, Construction Management and Economics, E&FN Spon, U.K., Vol. 12, pp. 233-243,1994.
- 22. Ranasinghe M. Extended benefit cost analysis: quantifying some environmental impacts in a hydropower project, Project Appraisal, Beech Tree Publishing, U.K., Vol. 9, No.4, pp. 243-251.,1994.
- 23. Jayawardane A.K.W. and De Silva A.P.R. Can the problems faced by small scale contractors be solved? Engineer, Journal of the IESL, XXII(1), 1994.
- 24. Jayawardane A.K.W. Are we aware of the extent of wastage on our building construction sites? Engineer, Journal of the IESL, XXII(1),1994.
- 25. Dias W.P.S. Structural appraisal of reinforced concrete buildings from in-situ material properties some issues and insights. Transactions, Inst. of Engineers, Sri Lanka, 1994. pp. 129-145, 1994.
- 26. Dias W.P.S. and Blockley D.I. Discussion on "Galileo's confirmation of a false hypothesis: a paradigm of logical error in design by Henry Petroski". Civil Engineering Systems, Vol. 11, pp. 75-77, 1994.
- 27. Perera A.A.D.A.J. "Soil Block Houses", Transactions, Institute of Engineers, Sri Lanka, 1994.
- 28. Kulathilaka S.A.S. Interface Testing for the Finite Element Study of Retaining Wall Behaviour Published in the 2<sup>nd</sup> Young Geotechnical Engineers Conference, held in Bangkok ,1994.
- 29. Peiris T.S.G. and Thattil R.O. An alternative model to estimate solar radiation. Cocos , 10, 26-34, 1994-1995.
- 30. Bandara S., Weeratunga U.M.K., Karunaratne K. and Wijeratne S.D. "Road maintenance in Urban Areas Role of the Public, Presentation to 1993/94 Annual Sessions of IESL Centre- Central Province, Peradeniya, 1994.
- 31. Bandara S., Weeratunga U.M.K., Karunaratne K. and Wijeratne S.D. "Road maintenance in Urban Areas Role of the Public, Presentation to 1993/94 Annual Sessions of IESL Centre- Central Province, Peradeniya, 1994.
- 32. Wanigasekara N.D., Gunaratne N., Amarasinghe S., Sivapathasundaram R., De Alwis A.A.P. and Jayamanne A. Biogasification of Hostel and Canteen Waste: A University case study on waste management and energy generation, ASME Summer meeting Kansas city, USA ,1994.

- 01. Dias W.P.S. Durability indicators of OPC concretes subject to wick action. Magazine of Concrete Research, Vol. 45, No. 165, December 1993. pp.263-274,1993.
- 02. Dias W.P.S. and Priyantha N.D.G. Performance of right angled reinforced concrete corner joints subject to opening moments. Engineer, Sri Lanka, December 1993. pp. 3-14.

- 03. Bandara S. and Kumarage A. "Quality and Productivity of Bus Service in Sri Lanka", Presentation to Annual Sessions of the Charted Institute of Transport (Sri Lanka Branch), Colombo, Sri Lanka, Nov. 1993.
- 04. De Alwis A.A.P. Emulsifiers and Emulsification Processes, Procs. of the Seminar on Modified Bitumen for improved performance in roadways, 26th August 1993, RC&DC Auditorium, RC&DC, Angulana.
- 05. Dias W.P.S. and Danthanarayana B.N. Development of a computerised estimating system for Sri Lankan building contractors (BUILDEST). Engineer, Sri Lanka, June 1993. pp.35-43
- 06. Gunaratna P.P. "Application of Mathematical Modelling in Locating an Ocean Sewage Outfall", International Colloquium and Exposition on Computer Applications in Coastal/Offshore Engineering, Kuala Lumpur, Malaysia, June 1993
- 07. Perera A.A.D.A.J. "A Low Cost House Made From Cement Stabilized Blocks and Timber Poles", Seminar on "Utilization of Small Diameter Timber Poles", University of Moratuwa, Sri Lanka, May 1993.
- 08. Fulcheri L. and Attalage R.A. Comportement dynamique des emetteurs de chaleur a circulation fluid: Etude Therorique et Experimantale. Revue Generale de Thermique, No. 347, March 1993
- 09. Perera A. Landcrete Blocks: Cement Satabilized Laterite Soil Blocks, Department of Civil Engineering, University of Moratuwa, February 1993.
- 10. Jayawardane A.K.W., King, M. and Wilson J.M. Mathematically modelling the problem of earthmoving. Bulletin of the Institute of Mathematics and its Applications, UK, 29(1/2),1993.
- 11. Ranasinghe M. Simulation of engineering systems: some important requirements, Engineer, Journal of the Institution of Engineers, Sri Lanka, Vol. 21, No. 1, pp. 44-53, 1993.
- 12. Ranasinghe M. Correlations for engineering systems, Engineer, Journal of the Institution of Engineers, Sri Lanka, Vol. 21, No. 2, pp. 15-22, 1993.
- 13. Ranasinghe M. and Russell A.D. Elicitation of subjective probabilities for economic risk analysis: an investigation, Construction Management and Economics, E&FN Spon, U.K., Vol. 11, pp. 326-340,1993.
- 14. Dias W.P.S. Concrete in the marine environment a review with emphasis on tropical coastal applications. Journal of the National Science Council, Sri Lanka, Vol. 21, No.1, 1993. pp.27-47,1993.
- 15. Dias W.P.S. Product modelling of buildings. Trans. Inst. of Engineers, Sri Lanka, 1993. pp. 134-151, 1993.
- 16. Liu S., Pain J-P., Proctor J., De Alwis A.A.P. and Fryer P.J. 'An experimental study of particle flow velocities in solid-liquid food mixtures', Chemical Engineering Communications, Vol. 124, 97-114, 1993.
- 17. De Alwis A.A.P. The Future Need for Chemical Engineers in Sri Lanka, Chemistry in Sri Lanka, 10, 1, pp 17-19, 1993.
- 18. Somasiri L L.W., Peiris T.S.G., Gunathilake H.A.J., Fernando M.T.N. and Pinto J.L.J.G. An Appraisal of Coconut Growers' Reactions and observations on CRI Recommended Cultural Practices and Other Related Issues. 1-123pp, 1993.
- 19. Peiris T.S.G. Statistical analysis of field experiments in coconut using fewer recordings, J. of Experimental Agriculture. (29), 207-213, 1993.

- 20. Peiris T.S.G. The degree of influence of rainfall on coconut. Advances in coconut research and development, 413-420, (Eds. Nair, M. K., Khan, P. H., Gopalasundram, P. & Bhaskara Rao, E. V. V.). Oxford & IBH Publishing Co. Pvt. Ltd ,1993.
- 21. Peiris T.S.G. and Thattil R.O. Estimation of solar radiation at Lunuwila (7<sup>o</sup> 20' N, 71<sup>o</sup> 53'E, 30.5 m). Proceedings of the 49<sup>th</sup> Annual Session of the SLAAS, 191 pp, 1993.
- 22. De Alwis A.A.P. An IT Approach for the development of Chemical and Process Industry, Procs. of 13<sup>th</sup> National Computer Conference, Colombo ,1993.
- 23. Niranjan K. and De Alwis A.A.P. 'Agitation and Agitator design Principles and Practice', in the Encyclopedia of Food Science, Food Technology and Nutrition, Vol. 1, Macrae R., Robinson RK and Sadler M (Eds) London: Academic Press, pp 72-80, 1993.

- 01. Dias W.P.S. Some thoughts on technical and vocational education in Sri Lanka. IESL News, Vol. XIII, No. 2, December 1992, pp. 3-5.
- 02. Peiris T.S.G. and Thattil R.O. Determination of optimum plot size for coconut based on data from randomized complete block experiments. Proceedings of the Int. Biometrics Conference, held in 7-11 December in Hamilton 1992, New Zealand, 179 pp
- 03. Hettiarachchi S.S.L. and Dias W.P.S. Investigations on the performance of coastal structures armoured with natural rock and concrete armour units, Dept. of Civil Engineering, University of Moratuwa, Sri Lanka, December 1992.
- 04. Jayawardane A.K.W. Wastage on building construction sites what the Sri Lankan contractors say?, Proc. of Annual Sessions of IESL, Oct. 1992.
- 05. Gunaratna P.P. "Wave Induced Disasters and Mitigatory Measures", Seminar on Natural Disaster Mitigation, University of Peradeniya, Peradeniya, Sri Lanka, September 1992
- 06. Bandara S. and Kumarage A.S. "Vehicle Kilometers Estimation of Colombo Area", July 1992.
- 07. Bandara S. and Kumarage A.S. "Observations of the Vehicle license Renewals in Sri Lanka", July 1992.
- 08. Calcavecchcia B., De Alwis A.A.P. and Niranjan K. 'Freeze Drying of Food and Agricultural Materials Experimental and Simulation studies', B. Calcavecchcia, AAP de Alwis and K Niranjan, Ag Eng.'92, Uppsala, 1-5 June, 1992.
- 09. Fulcheri L. and Attalage R.A. Caraterisation dynamique des emetteures de chaleur a cirulation d'eau: conference SFT/92 May, Sophia Antipolis, France
- 10. De Alwis A.A.P. Calcavecchcia B and Niranjan K 'Finite Element Analysis of Radiant Freeze Drying', Symposium Procs of New Technologies for the Food and Drink Industries (27 28 May 1992 Stratford-upon-Avon, UK)
- 11. Perera A.A.D.A.J. Evaluations of Existing Practices of Low Cost Housing Methods, A report submitted to ILO/UNDP and ICTAD, May 1992
- 12. De Alwis A.A.P. and Zaror C.A. 'Modelling Spray Evaporation using Equation Oriented Process Simulators', Food Engineering in a Computer Climate, (30 March 1 April 1992, Cambridge, UK)
- 13. De Alwis A.A.P., Varley J. and Niranjan K. 'Simulation of Thermal Food Processing Operations (Blanching and Canning)', Food Engineering in a Computer Climate, (30 March 1 April 1992, Cambridge, UK)

- 14. De Alwis A.A.P., Niranjan K., Zaror C., Varley J. and Pyle D.L. 'Effective Process Design for the Food Processing Industry Using Process Simulators', Food Engineering in a Computer Climate (30 March 1 April 1992, Cambridge, UK)
- 15. Dias W.P.S. Some properties of hardened cement paste and reinforcing bars upon cooling from elevated temperatures. Fire and Materials, Vol.16, No.1, January March 1992. pp. 29-35.
- 16. Fulcheri L. and Attalage R.A. A methodology of reducing models of thermal systems with mass transport. Accepted for presentation at the ICHMT second international forum, Erlangen, Germany, March 1992.
- 17. Adams C.W., Dias G., Amarasiri S. and. Induruwa A.S. "Implementing Computer-Based Communication Services in Sri Lanka", in Proc. 12th National Computer Conference of Sri Lanka, pp. 107 120, February 1992.
- 18. Dias W.P.S. A survey of some Sri Lankan batching plant records. Int. Conf. on The Concrete Future, Kuala Lumpur, Malaysia, February 1992. pp. 33-40.
- 19. Kulathilaka S.A.S. and Donald I.B.D. Stability of Retaining Walls with Compacted Backfills Published in the 6<sup>th</sup> Australia-New Zealand Conference on Geomechanics held in Christchurch, New Zealand in February 1992.
- 20. Dias W.P.S. and Hettiarachchi M.T.P. A cost comparison of some elevated tank forms. Indian Concrete Journal, Vol. 66, January 1992. pp. 43-51.
- 21. Ranasinghe M. and Russell A.D. Analytical approach for economic risk quantification of large engineering projects: validation, Construction Management and Economics, E&FN Spon, U.K., Vol. 10, pp. 45-68, 1992.
- 22. Ranasinghe M. and Russell A.D. Treatment of correlation for risk analysis of engineering projects, Journal of Civil Engineering Systems, Gordon & Breach Science Publishers, U.K, Vol. 9, pp.17-39, 1992.
- 23. Russell A.D. and Ranasinghe M. Analytical approach for economic risk quantification of large engineering projects", Construction Management and Economics, E&FN Spon, U.K., Vol. 10, pp.207-301, 1992.
- 24. Dias W.P.S. CONFAULT An expert system for fault diagnosis in reinforced concrete structures. Civil Engineering Systems, Vol. 9, 1992. pp. 147-160.
- 25. Dias W.P.S. Specifying for concrete durability: Part II The Sri Lankan context. Engineer, Sri Lanka, 1992. pp. 4-24.
- 26. De Alwis A.A.P. and Fryer P.J. 'Operability of the ohmic heating process: Electrical conductivity effects', 15, 1, 21-48,J. Food Eng. 1992.
- 27. Perera A.A.D.A.J. "An Evaluation of Low Cost House Construction Methods", Transactions, Institute of Engineers, Sri Lanka, 1992.
- 28. Attalage R.A. and. Reddy T.A. Annual collectible energy of a two axis tracking flat plate solar collectors, Solar Energy, Vol 48, No.3, 1992.
- Attalage R.A. Etude theorique et experimantale de comportement dynamique des emeteurs de chaleur a circulation d'eau. Doctoral Thesis, Ecole des Mines de Paris, France, 1992.
   (Advisor: Dr. L. Fulcheri)
- 30. Peiris T.S.G. and Thattil R.O. Alternative methods to determine the optimum plot size for tree crops. Proceedings of the 48<sup>th</sup> Annual Session of the SLAAS, 55 pp ,1992.
- 31. Dias W.P.S. Reinforced Concrete Design (5 chapters) in DIAS, W.P.S. and Hettiarachchi, M.T.P. Structural Design, CEU 4306, Level 6, Block 1-A, Open University, 1992.
- 32. Wirasinghe S.C. and Bandara S. "Planning of Parallel Pier Airport Terminals with

- Automated People Mover Systems Under Constrained Conditions", Transportation Research Record 1373, 1992, PP. 35-45.
- 33. Bandara S. and Wirasinghe S.C. "Optimum Geometries for Pier-Type Airport Terminals", ASCE Journal of Transportation Engineering, Vol. 118, 1992, pp 187-206
- 34. Bandara S. and Wirasinghe S.C. "Walking Distance Minimization for Airport Terminal Configurations", Transportation Research, Vol. 26A, 1992, pp. 59-74.
- 35. Bandara S., Wirasinghe S.C. and Gurofsky D. "Grade Separated Pedestrian Circulation Networks", Book of Abstracts, 6<sup>th</sup> World Conference on Transport Research, Lyon, France. 1992. pp.464.
- 36. Wirasinghe S.C. and Bandara S. "Remote Pier Airports with Automated People Movers", Book of Abstracts, 6<sup>th</sup> World Conference on Transport Research, Lyon, France. 1992. pp.202.
- 37. Bandara S., Wirasinghe S.C. and Gurofsky D. "Grade Separated Pedestrian Circulation Networks", Book of Abstracts, 6<sup>th</sup> World Conference on Transport Research, Lyon, France. 1992. pp.464.
- 38. Wirasinghe S.C. and Bandara S. "Remote Pier Airports with Automated People Movers", Book of Abstracts, 6<sup>th</sup> World Conference on Transport Research, Lyon, France. 1992. pp.202.
- 39. De Alwis A.A.P., Zhang L.I. and Fryer P.J. 'Modelling sterilisation and quality in the ohmic heating process', Advances in Aseptic Processing Technologies, Singh RK and Nelson, PE (Eds.), Elsevier Applied Sci Pub. Chap.5, 1992.
- 40. Ranasinghe M. Management of uncertainty in project duration networks: a case study, Annual Transactions, Institution of Engineers, Sri Lanka, Vol. 1, pp. 39-57, 1992.
- 41. Bandara S. and Kumarage A.S. "Analysis of Free Speeds on Sri Lankan Highways", 1992.
- 42. Bandara S. and Kumarage A.S. "Pettah Lorry Parking study 4th Cross Streets & Manning Market", 1992.

- 01. Dias W.P.S. Specifying for concrete durability: Part I A critical review. Engineer, Sri Lanka, December 1991. pp. 51-63.
- 02. Ayoob A.N. Achard P and. Attalage R.A, Analysis and characterization of parallel plate evaporative cooler pads. Revue Generale de Thermique, No. 359, pp 698-701, Nov. 1991
- 03. Bandara S. "Considerations in Airport Planning", Presentation to Annual Sessions of the Charted Institute of Transport (Sri Lanka Branch), Colombo, Sri Lanka, Nov. 1991
- 04. Snapp S.R., Brentano J. and Dias G.V. et al. "DIDS (Distributed Intrusion Detection System) Motivation, Architecture, and An Early Prototype", in Proc. 14th National Computer Security Conference, Washington, D.C., USA October 1991. obtained Outstanding Paper Award at this conference
- 05. Ratnasooriya A.H.R. International conference on "Coastal Structures and Breakwaters" organized by the Institute of Civil Engineers, London, UK, November 1991
- 06. Jayawardane A.K.W. Computer simulation applied to construction operations. Proc. of Annual Sessions of IESL, Oct. 1991.
- 07. De Alwis A.A.P. and Niranjan K. 'A Robust Approach to Food Process Modeling', Procs. 8th World Congress of Food Science and Technology, Sep 29-Oct 4, 1991, Toronto.

- 08. De Alwis A.A.P. and Fryer P.J. 'Theoretical investigation of the ohmic sterilization of foods containing particles', Procs 8th World Congress of Food Science and Technology, Sep 29-Oct 4, 1991, Toronto.
- 09. Dias W.P.S. Mix design considerations for unreinforced concrete armour units in a tropical developing country. Proc. 3rd Int. Conf. on Coastal and Port Engineering in Developing Countries (COPEDEC III), Mombasa, Kenya, September 1991. pp.638-648.
- 10. Dias W.P.S. et al. Affiliated University Colleges the other side. The Island, Friday 11 September, 1991. p.8.
- 11. Dias W.P.S. Education, Employment and English. Ceylon Daily News, Monday 29 July, 1991, p.4.
- 12. Dias W.P.S., Mansur U., Makewita M.A.S.M. and Perera J.A.A.K. A preliminary investigation into the safety factors and live loads for office and domestic buildings in Sri Lanka. Engineer, Sri Lanka, June 1991. pp. 19-31.
- 13. Achard P., Attalage R.A., Ayoob A.N. and Houzelot P. Analysis of a rock-bed thermal storage as means of indirect evaporative cooling, Proc. International conference on evolution of external perimentral components in bioclimatic architecture, ISES, pp 243-246, Milan, Italy, April 1991
- 14. Dias W.P.S. Problems faced by the nation are tied to education. The Island, Wednesday 27 March, 1991, pp. 8-9.
- 15. Dias W.P.S. Correlation of non-destructive test results with concrete strength. Engineer, Sri Lanka, March 1991. pp. 3-13.
- 16. Gunaratna P.P. and Van Kalken T.M. "Mathematical Modelling of Floods in Kelani River", Seminar on Causes of Coastal Erosion in Sri Lanka, Colombo, Sri Lanka, February 1991
- 17. Ranasinghe M. Elicitation of expert knowledge for engineering risk analysis: myth and reality, Engineer, Journal of the Institution of Engineers, Sri Lanka, Vol. 19, No. 3, pp.28-40,1991.
- 18. Ranasinghe M. and Russell A.D. Analytical approach for economic risk analysis of large engineering projects in developing countries, Engineer, Journal of the Institution of Engineers, Sri Lanka, Vol. 19, No. 1, pp. 39-46, 1991.
- 19. Ranasinghe M. and Russell A. D. Economic risk analysis of large engineering projects, Canadian Journal of Civil Engineering, Vol. 18, No. 3, pp. 416-427, 1991.
- 20. Russell A.D. and Ranasinghe M. Decision framework for fast track construction: deterministic analysis, Construction Management and Economics, E&FN Spon, U.K., Vol. 9, pp. 467-479, 1991.
- 21. Williams R.A. and. Amarasinghe W.P.K. et al., Sedimentation Behaviour of complex polydisperse suspensions, Powder Tech., 65, 1991, 411-432.
- 22. Ayoob A.N. and Attalage R.A. Theoretical and experimental analysis of simply designed solar retrofitting heating and cooling system, Renewable Energy, Vol 1, No.3/4, pp 513-518, 1991.
- 23. Heberlein L., Mukherjee B., Levitt K., Dias G. and. Mansur D. "Towards detecting intrusions in a networked environment", in Proc. 14th DOE Conference on Computer Security, 1991.
- 24. Kulathilaka S.A.S. and Donald I.B.D. Finite Element Analysis of Embedded Retaining Walls Published in the Proceedings of the 7<sup>th</sup> Conference of the International Association for Computer Methods and Advances in Geomechanics, in Cairns, Australia ,1991.

- 25. Kulathilaka S.A.S. and Donald I.B.D. Finite Element Analysis of Compaction Behind Retaining Walls Published in the Proceedings of the 9<sup>th</sup> Asian Regional Conference on Soil Mechanics and Foundation Engineering in Bangkok ,1991.
- 26. Peiris T.S.G. and Pieris R.A.A. The effect of bimonthly rainfall on coconut yield in the Semi Dry Intermediate Zone (IL<sub>1</sub>) in Sri Lanka. Cocos, 9, 1-11, 1991 1993.
- 27. Fernando W.M.U., Peiris T.S.G. and Wickramratne M.R.T. Variation in seedlings characters of three different coconut cultivars and their use in identification in the nursery. Cocos, 9, 23-29, 1991 1993.
- 28. Peiris T.S.G. Modeling approach in analyzing field experimental data in coconut. Proceedings of the 47<sup>th</sup> Annual Session of the SLAAS, 139 pp, 1991.
- 29. Ranasinghe M. and Russell A.D. Analytical method for quantification of economic risks during feasibility analysis, Management, Quality and Economics in Building, Edited by A.Bezelga and P.Brandon, E&FN Spon, London, U.K., pp. 1311-1321. (invited paper) ,1991.

- 01. Dias W.P.S. and Hettiarachchi M.T.P. A cost comparison of some ground reservoir forms. Engineer, Sri Lanka, December 1990. pp. 53-60.
- 02. Perera A.A.D.A.J. "Design Decisions and Life Cycle Cost Indicators", Seminar on Benefits from Construction Project and Industry Indicators, ICTAD November 1990.
- 03. Dias W.P.S. A circular organizational structure for project teams. ASCE Journal of Management in Engineering, Vol. 16, No. 4, October 1990. pp. 471-478.
- 04. Achard P.A., Attalage R.A. and. Ayoob A.N. Nocturnal cooling in building masonry walls for summer comfort. Proc International symposium CIB W67 on energy moisture climate in buildings, Rotterdam The Netherlands, Sep.1990
- 05. Shen H.T., Gunaratna P.P. and Wasantha L.A.M. "Mathematical Model for Ice Processes in River Networks", IAHR Symposium on Ice, Espoo, Finland, August 1990
- 06. Dias G. Technical Report on "Modelling Attacks on Computer Systems: Evaluating Vulnerabilities and Forming a Basis for Attack Detection" Report No. CSE-90-41, Computer Science Division, University of California, Davis, July 1990. technical report
- 07. Bandara S. "Optimum Geometries for Satellite Type Airport Terminals", Transportation and Traffic Theory (Proceedings of the eleventh International Symposium on Transportation and Traffic Theory, Yokohama, Japan), Masaki Koshi Editor, Elsevier, New York, July 1990, pp. 409-428.
- 08. Dias W.P.S. Changes in the design of reinforced concrete structures introduced by BS 8110: 1985. Engineer, Sri Lanka, June 1990. pp. 51-63.
- 09. Dias W.P.S., Khoury G.A. and Sullivan P.J.E. Shrinkage of hardened cement paste at temperatures up to 670 C (1238 F). American Concrete Institute Materials Journal, Vol. 87, No. 3, May-June 1990. pp.204-209.
- 10. Heberlein L.T., Dias G., Levitt K., Mukherjee B., Wood J. and Wolber D. "A Network Security Monitor", in Proc. 1990 Symposium on Research in Security and Privacy, pp. 296-304, May 1990.

- 11. Attalage R.A., Ayoob A.N. and Achard P. The Thermal Treatment in Building envelops for summer comfort. The eight International PLEA conference, Halifax, Canada, May 1990
- 12. Dias W.P.S., Khoury G.A. and Sullivan P.J.E. Mechanical properties of hardened cement paste exposed to temperatures up to 700 C (1292 F). American Concrete Institute Materials Journal, Vol. 87, No. 2, March-April 1990. pp.160-166.
- 13. Bandara S. "Airport Terminals Optimum Configurations and Gate Position Requirements, Ph.D. thesis, University of Calgary, Canada, January, 1990.
- 14. Jayawardane A.K.W. and Harris F.C. Further development of Integer Programming applied to earthmoving operations, Journal of Construction Engineering and Management, ASCE, 116(1),1990.
- 15. Dias W.P.S., Khoury G.A. and Sullivan P.J.E. The thermal and structural effects of elevated temperatures on the basic creep of hardened cement paste. Materials and Structures: Research and Testing, Vol. 23, 1990. pp. 418-425.
- 16. Halden K., De Alwis A.A.P. and Fryer P.J. 'Changes in electrical conductivity of foods during ohmic heating', Int.J Fd.Sci. Technol., 25, 9-25, 1990.
- 17. De Alwis A.A.P. and Fryer P.J. 'The use of network theory in the finite element analysis of coupled thermo-electric fields', Commun.Appl.Num method, 6, 61-66, 1990.
- 18. De Alwis A.A.P. and Fryer P.J. 'A finite element analysis of heat generation and transfer during ohmic heating of food', 45, 6, 1547-1559, Chem.Eng.Sci. 1990.
- 19. De Alwis A.A.P. and Fryer P.J. 'The use of direct resistance heating techniques in the food industry', 11, 1, 3-27, J.Food.Eng. 1990.
- 20. De Alwis A.A.P. and Fryer P.J. 'Ohmic heating A new way thinking about thermal food processing' Procs. of the Asia-Pacific regional conference on engineering for the development of agriculture, Malaysia, 1990
- 21. Williams R.A. and Amarasinghe W.P.K. et al., The effect of size and charge polydispersity on sedimentation behaviour of concentrated suspensions, Proceedings of 5<sup>th</sup> World Filtration Congress, 1990.
- 22. Williams R.A., Xie C.G., Bragge R. and Amarasinghe W.P.K. Experimental Techniques for monitoring sedimentation in optically opaque suspensions, Colloids and surfaces, 43, 1990 (1-32).
- 23. Peiris T.S.G., Kularatne J.D.J.S. and Mathes D.T. CLIMATE: A user friendly program to analyse climatological variables for agricultural purposes". Proceedings of the 46<sup>th</sup> Annual Session of the SLAAS. 139 pp, 1990.
- 24. Wirasinghe S.C. and Bandara S. "Airport Gate Position Estimation for Minimum Total Cost Approximate Closed Form Solution", Transportation Research, Vol. 24B, No. 4, 1990, pp. 287-297.
- 25. De Alwis A.A.P. and Fryer P.J. 'Mathematical modelling of the ohmic heating process' in Engineering Innovation in the Food Industry; its role in Quality Assurance, (Eds) RB Field and JA Howell, Elsevier, 45-58, 1990.
- 26. Ranasinghe M. and Russell A.D. Analytical alternative to simulation for economic risk analysis of large engineering projects, Proceedings, Canadian Society for Civil Engineering Annual Conference, Hamilton, Ontario, Vol. 3, pp. 311-330, 1990.
- 27. Ranasinghe M. and Russell A.D. Elicitation of subjective probabilities for risk analysis in engineering construction, Managing Projects, Edited by V Ireland and T Uher, Vol. 4, pp. 376-387, 1990.

28. Russell A.D. and Ranasinghe M. Decision framework for fast track construction, Managing Projects, Edited by V Ireland and T Uher, Vol. 4, pp. 400-411,1990.

- 01. Dias W.P.S. and Sivasubramaniyam S. Assessment of floor slabs in the Bandaranaike Wing of the Colombo General Hospital. Engineer, Sri Lanka, September 1989. pp. 27-36
- 02. Gschwind M., Attalage R.A., Gatt P., Houzelot P. and. Robert J. Thermal flowmeter study for liquids and complex fluids. Proc. The second world congress on heating, ventilating refrigeration and air conditioning, CLIMA 2000, Vol V, pp 235-240, Yugoslavia, Sep.1989.
- 03. Peiris T.S.G. An alternative approach to analyze the repeated measurements data in perennial crops. Proceedings of the conference on Statistics for Repeated Measurement in Italy from 6-9 September, 1989, University of Paduva, Italy.
- 04. Wirasinghe S.C. and Bandara S. "Planning Airport Terminals to Minimize Gate-delays and Walking Distances", Presentation to Aviation Session, Roads and Transportation Association of Canada Annual Conference, Calgary, Alberta, Canada, Sept. 1989.
- 05. Dias W.P.S. et al. Studies on design of ground reservoirs and elevated tanks, Dept. of Civil Engineering, University of Moratuwa, Sri Lanka, April 1989. 223 pp.
- 06. Dias W.P.S. Condemnation of a partially completed grandstand structure. Proc. Int. Conf. on Case Histories in Structural Failures, Singapore, March 1989.
- 07. De Alwis A.A.P., Halden K. and Fryer P.J. 'Shape and conductivity effects in the ohmic heating of foods', Chem.Eng.Res.Des., 67, 159-168, 1989.
- 08. Mitchell R. and De Alwis A.A.P. 'Electrical conductivity meter for food samples', J. Phys. E: Sci. Instrum., 22, 554-556, 1989.
- 09. Fryer P.J. and De Alwis A.A.P. 'The validation of the APV ohmic heating process', Chemistry and Industry, 16, 630-634, 1989.
- 10. De Alwis A.A.P. 'Food Process Industry: Energy supply alternatives', J. of Sri Lanka Energy Managers Association, 2, 2, 2-11, 1989.
- 11. Williams R.A. and Amarasinghe W.P.K. Measurement and Simulation behaviour of concentrated Polydisperse suspensions, Trans. Of the Institution of Mining and Metallurgy sec C, vol. 98 C 68, 1989.
- 12. Peiris T.S.G. Forecasting the crop yield of a coconut estate. International J. of Coconut Research & Development (Cord), Indonesia 5(2), 67-77, 1989.
- 13. Peiris T.S.G. and Senaviratne E.K. An alternative approach for analysis of data from a long term experiment. Cocos, 7, 14-20,1989.
- 14. Peiris T.S.G. and Senaviratne E.K. The use of daily rainfall in analysis of the repeated measurements data. Proceedings of the 45<sup>th</sup> Annual Session of the SLAAS. 39 pp, 1989.
- 15. Bandara S. and Wirasinghe S.C. "Airport Gate Position Estimation under Uncertainty", Transportation Research Record 1199, 1989, PP. 41-48.
- 16. Bandara S. and Wirasinghe S.C. A discussion of the paper "Optimization of Feeder Bus Routes and Bus Stop Spacing" by Kuha, G.K., and Perl, S., ASCE Jr. of Transportation Engineering, 1989.
- 17. Bandara S. A discussion of the paper "Applications for Intra-airport Transportation Systems" by McKelvey, F.X. and Sproule, J., Transportation Research Record 1199, pp.62-63, 1989.

18. Wirasinghe S.C. and Bandara S. A discussion of the paper "Choosing the Wrong Technology: or How to Spend Billions and Reduce Transit Use" by Kain, J.F., Journal of Advance Transportation, Vol.22, No.2, pp.190-191, 1989.

#### 1988

- 01. Shen H.T., Lal W.A.M. and Gunaratna P.P. "A Mathematical Model for River Ice Processes", IAHR Symposium on Ice, Sapporo, Japan, August 1988.
- 02. Dias W.P.S. and Niles D.R. An educational software package in Structural Engineering. Proceedings, 8th National Computer Conference, Colombo, Sri Lanka, January 1988.
- 03. Reddy T.A. and Attalage R.A. Differences in computed annual radiation on inclined surfaces using isotropic and anisotropic sky-diffuse models, Solar Energy, Vol 40, pp 315-320, 1988.
- 04. Peiris T.S.G. and Stern R.D. Use of statistics package `SAS' in an agricultural research institute: a case study from CRI, Sri Lanka. Cocos. 6, 38-52, 1988.
- 05. Peiris T.S.G. Software in micro computers for the analysis of designed experiments. Proceedings of the 8<sup>th</sup> National Computer Conference, Sri Lanka, 77 pp, 1988.
- 06. Jayasekara K.S., de. S. L.M. and Peiris T.S.G. Effect of intercropping on soil erosion and runoff in coconut lands. Proceedings of the 44th Annual Session of the SLAAS, 35 pp, 1988.
- 07. De Alwis A.A.P. and Fryer P.J. 'Preliminary experiments on heat transfer during the ohmic heating of foods' in Procs. of the 2nd UK Nat.Heat.Transf.Conf., Vol I, IMechE, 229-239, 1988.

- 01. Dias W.P.S., Khoury G.A. and Sullivan P.J.E. Upper and lower bounds for the elevated temperature creep of hardened cement paste. Paper H 2/10, 9th Int. Conf. on Structural Mechanics in Reactor Technology, Lausanne, Switzerland, August 1987.
- 02. Shen H.T., Lal W.A.M. and Gunaratna P.P. "A Mathematical Model for River Ice", Proceedings of the ASCE National Conference on Hydraulic Engineering, Williamsburg, Virginia, August 1987.
- 03. Wirasinghe S.C., Bandara S. and Vandebona U. "Airport Terminal Geometries for Minimal Walking Distances", Transportation and Traffic Theory (Proceedings of the Tenth International Symposium of Transportation and Traffic Theory, Boston, Massachusetts), Gartner and Wilson Editors, Elsevier, New York, July 1987, pp. 483-502.(1987)
- 04. Dias W.P.S., Khoury G.A. and Sulliva P.J.E. Basic creep of unsealed hardened cement paste at temperatures between 20 C and 725 C. Magazine of Concrete Research, Vol.39, No.139, 1987. pp.93-101. (1987)
- 05. Dias W.P.S., Khoury G.A. and Sullivan P.J.E. An activation energy approach for the temperature dependence of basic creep of hardened cement paste. Magazine of Concrete Research, Vol.39, No.140, 1987. pp.141-147.
- 06. Peiris T.S.G. SAS a micro computer software for agricultural research. Proceeding of the 43<sup>rd</sup> Annual Session of the SLAAS, 120 pp, 1987.

- 01. Dias W.P.S., Rayen J.S., Senthilkumar B., Premawardhana C.S. and Thillainathan S. Cement mortar roofing sheets reinforced with coir fibre. Engineer, Sri Lanka, December, 1986. pp.34-49.
- 02. Vongvisessomjai S., Munasinghe L.C.J. and Gunaratna P.P. "Transient Ripple Formation and Sediment Transport", Proceedings of the 20th International Conference on Coastal Engineering, Taipei, Taiwan, November 1986
- 03. Silva H.D.J., De Alwis A.A.P. and Wijesinghe S. 'An introductory experiment in unit operations for training of process engineers', AIChE Winter Meeting, Miami Beach, Nov. 1986.
- 04. Khoury G.A., Dias W.P.S. and Sullivan P.J.E. Deformation of concrete and cement paste loaded at constant temperatures from 140 C to 724 C. Materials and Structures: Research and Testing, Vol.19, No.110, 1986. pp.97-104.
- 05. Thilakasiri M.A., Peiris T.S.G. and Gunasekara T.G.L.G. Some socio-sconomic characteristics of coconut based farming systems. Proceedings of the 42<sup>nd</sup> Annual Session of the Sri Lanka Association of Advancement of Science (SLAAS), 197 pp, 1986.
- 06. Peiris T.S.G. Seasonal ARIMA model for forecasting crop-wise coconut yield in a given estate. Proceedings of the 42<sup>nd</sup> Annual Session of the SLAAS, 174 pp, 1986.
- 07. Dias W.P.S. Time dependent deformations of hardened cement paste from 20 C to 725 C. PhD. thesis, University of London, 1986. 398 pp.
- 08. Bandara S. and Wirasinghe S.C. "Parameters of Moving Sidewalks for Airport Terminal Pier-Fingers", Transportation Planning and Technology, Vol.11, 1986, pp 137-147.

- 01. Bandara S. "Use of Moving Sidewalks at Airport Terminal Buildings", Presentation to the Graduate Student Research-in- Progress Session, The Annual Conference of the Canadian Society for Civil Engineering, Saskatoon, Canada, May 1985.
- 02. Chandrakeerthy S.R.De S., Jayawardane A.K.W. and Siriwardane L.S. Further work on development of design recommendations for bolted joints made with local species of timber, Engineer, Journal of the Institution of Engineers, Sri Lanka, XIII(1), 1985.
- 03. Kumarage A.S., Bandara J.M.S.J. and Wirasinghe S.C. "Some Basic Demand Models for Intercity Rail Travel in Sri Lanka" Proceedings of the 2<sup>nd</sup> Sri Lanka Transportation Forum, University of Moratuwa Sri Lanka, 1985, Vol.2, pp.22-48.
- 04. Ratnayake L.L. and Bandara J.M.S.J. "Reliability Study of Two Bus Routes (No.154 & 155) in Colombo South Transport Region" Proceedings of the 2<sup>nd</sup> Sri Lanka Transportation Forum, University of Moratuwa, Sri Lanka, 1985, Vol.2, pp.320-342
- 05. Wirasinghe S.C., Bandara J.M.S.J. and Lee F. "Airport Terminal Planning, Gate Positions and Configurations", Research Report CE85-16, Department of Civil Engineering, The University of Calgary, Calgary, Canada, 1985, 117p.

- 01. Ratnayake L.L., Bandara J.M.S.J. and Daluwatte L. "Some Travel Characteristics of School Children in Colombo South Education Region", Paper Presented at the Annual Sessions of the Sri Lanka Association for the Advancement of Science (Section F), December, 1984, 14p.
- 02. Ratnayake, L.L., Bandara, J.M.S.J. and Daluwatte, L. "Some Travel Characteristics of School Children in Colombo South Education Region", Paper Presented at the Annual Sessions of the Sri Lanka Association for the Advancement of Science (Section F), December, 1984, 14p.
- 03. De.S. S.R., Perera A.A.D.A.J. and Premachandra "Design of Concrete Flat Roofs", Transactions Institute of Engineers, Sri Lanka 1984.

#### 1983

- 01. Tittagala R.S.,Beeley P.R. and Bramley A.N. A Hot-Work Tool Wear Test Machine Metallurgia, Vol. 50, No. 10, October 1983, pp. 434 436
- 02. Tittagala R.S., Beeley P.R. and Bramley A.N. Evaluation of some new Cast Hot-Work Die Steels using Simulation Wear Test Metals Technology, Vol. 10, July 1983, pp: 257 263
- 03. Bandara J.M.S.J., Ratnayake L.L. and Wirasinghe S.C. "Preliminary Study of Bus Service on a Major Street with Many Overlapping Bus Routes and Operators", Proceedings of the Sri Lanka Transportation Forum, University of Moratuwa, Sri Lanka, 1983, pp.437-464.

## 1982

01. Tittagala R.S., Beeley P.R. and. Bramley A.N. Wear Test for Hot-Working Die Steels Metals Technology, Vol. 9, November 1982, pp: 434 - 439