

PROGRAMME

FARU 2020

13TH INTERNATIONAL RESEARCH
CONFERENCE

Virtual Conference



DIMENSIONS OF SPACE

Multi-disciplinary Approaches

6 – 9 NOVEMBER 2020, 4PM–7PM IST

ORGANIZED BY



FARU FACULTY OF ARCHITECTURE
RESEARCH UNIT
UNIVERSITY OF MORATUWA, SRI LANKA

6th November 2020

Link A

Inauguration

4.00 - 4.30pm

3.45- 4.00pm Logging in time

Symbolic Lighting of the lamp
National Anthem

Address by
Dr. DP Chandrasekera,
Dean, Faculty of Architecture
Conference Chair, FARU 2020

Theme Address by
Dr. Sumanthri Samarawickrama
Director- FARU, Conference Co-Chair

4.30 - 4.40pm

Brief address on the keynote of day 01 **Prof. Bingunath Ingirige**

Urban Resilience and Adaptation,
School of Science,
Engineering and Environment,
University of Salford, United Kingdom.

4.40 - 4.50pm

Brief address on the keynote of day 02 **Prof. Abraham George**

Head, Architecture and Regional Planning,
Indian Institute of Technology, Kharagpur, India.

4.50 - 5.00pm

Brief address on the keynote of day 03 **Prof. Oscar Carracedo Gracia**

Director of Designing Resilience in Asia Research Programme,
Department of Architecture,
School of Design and Environment,
The National University of Singapore.

Link A



Session 1

Urban Movements

Session Chair : Prof. Lalith De Silva

Finding the logic of location: An analysis of the
distribution pattern of urban activities in the City of
Colombo with Space Syntax
Jagath Munasinghe, Aruna Bandara

Management Of Aggregate Base Course Wastage In
Road Construction Projects
Archchana Shandraseharan, B.A.K.S. Perera, E.A.S. Priyaruwan

Review The Requirement Of A Flexible Study Area
For Traffic Impact Assessments Of Each
Development Uniquely
Ama Pathiraja, P.C.P. De Silva, Amila Jayasinghe

A Study On Understanding The Social Interaction
Arises From Urban Park Environment Through
Different Interaction Types;
Chathrika Kawmadi Lokuliya, Rangajeewa Rathnayake

5.00 - 6.00pm

7th November 2020

Link A

4-00 - 4.45pm

Keynote Address 01

Prof. Bingunath Ingirige

Professor of Urban Resilience and Adaptation,
School of Science, Engineering and Environment,
University of Salford, United Kingdom.

4.45 - 5.45pm

Session 2

Social Interactions and Community Resilience

Session Chair : Prof. Udayangani Kulatunga

An Alternative Approach To Assess The Residential
Population Resilience To Urban Flooding

*Hasintha Nawod Kalpana, Amila Jayasinghe, Chethika Abeynayake,
P.N.P. Wijewardana.*

Gender and Disability Inclusion in Post-disaster
Rebuilding 'Build Back Better' Programmes in Sri Lanka:
A Literature Review

A.P.K.D. Mendis, Menaha Thayaparan, Yamuna Kaluarachchi.

SOCIAL MEASURES OF RESILIENCE

An investigation into community resilience by taking
adaptive physical measures through social mediation
during infrastructure disruption

Chowdhury Ali Imam, Hasin Ahmad Zahin.

Assessing Factors Affecting University Students'
Preference Of Walking; Comparing University Of
Moratuwa & University Of Sri Jayewardenepura

Chamali Hewawasam, Udaya Abeysinghe, Shamain Saparamadu.

Link B



Session 3

Sustainable Practices

Session Chair : Prof. Indrika Rajapaksha

Incorporation of Circular Economy Concept to the
Apparel Industry: Literature Review

M. Gowsiga, M. Thayaparan

Applicability of Recycled Plastic for Road
Construction in Sri Lanka

D.K.S. Dinushka, K.G.A.S. Waidyasekara, K.G. Dewagoda

Benefits Of LEED Certification In Terms Of Water
Efficiency In Sri Lankan Hotel Industry: A Literature
Review

*Angulugaha Gamage Udathara Damsari, Pournima Sridarran,
Fathima Nishara Abdeen*

Total Building Performance Mandates In Building
Evaluation: A Review

*R.M.D.I.M. Rathnayake, Pournima Shridarran,
Mahesh Abeynayake*

7th November 2020

Link A



5.45 – 7.00pm

Session 4

Human Resource and Management

Session Chair : Dr. Nayantara De Silva

Negligent Use Of Personal Protective Equipment By Construction Workers In Sri Lanka: Analysis Of Individual Manifestations

S.P. Miyami Dasandara, D.M.P.P. Dissanayake

Getting Into Life And Living Of Factory Workers

Nazia Afrin Trina, Armin Rahman Mouly, Fatema Tasmia

Life Management of Contractor's Site Quantity Surveyor

K.I.Ridmika, Charika Darshani, B.A.K.S. Perera

Underlying Reasons Behind the Sustenance of Ragging in Sri Lankan Universities: Findings From a State University in Colombo, Sri Lanka

A. A. Hettiarachchi

Link B



Session 5

Construction and Building Materials

Session Chair : Dr. Narein Perera

Hygrothermal Performance of Old Lime Plastered Spaces in a Hot and Dry Climate

Vismaya Paralkar, Rashmin Damle

Applicability Of Innovative Building Materials For Wall Structures To Maximise The Energy Efficiency Of Buildings In Sri Lanka

M. D. R. S. Salgado , K. D. K. Devapriya , M. Gowsiga

An Investigation of Different Formwork System for High Rise Building Construction and for Decision Support System

Shweta Sagar, Virendra Kumar Paul

Implementation of SCL Protocol to Ensure the Construction Sustainability During the Execution Stage

K.L.A.K.T.Liyanage, T. Mayoorsakithian, M.D.T.E Abeynayake

8th November 2020

Link A

4-00 - 4.45pm

Keynote Address 02

Prof. Abraham George

Professor of Architecture and Regional Planning,
Indian Institute of Technology Kharagpur, India

4.45 - 5.45pm

Session 6

Smart Growth and Technology

Session Chair : Prof. Rangajeewa Rathnayake

Drivers And Barriers Of Using Internet Of Things For
Successful Lean Implementation In Construction Projects
In Sri Lanka

N.M.G. Helamini Sandagomika, Y.G. Sandanayake, B.J. Ekanayake

A GIS-based Simulation Application To Model Surface
Runoff Level In Urban Blocks.

*P.N.P. Wijayawardana, C.C. Abenayake, A.B. Jayasinghe,
L.D.C.H.N. Kalpana, N. Dias, D. Amaratunga, R. Haigh*

A Machine Learning Approach Towards Determining the
Openness of Urban Plaza

M.D. Sharful Alam, Chowdhury Ali Imam

Link B



Session 7

Social Responsibility and Professional Practices

Session Chair : Dr. Jagath Munasinghe

Corporate Social Responsibility Performance Evaluation
Of Construction Organizations In Sri Lanka

F. Mathusha , H.M.P.P. Somarathna, H. Mallawarachchi

Impact of Poor Quantity Surveying Practices on Small
Scale Contractors in Sri Lanka

*Kanchuka Thilakshana Withanage, Charith Weerakoon,
Vijitha Disaratne*

An Investigation on Corporate Social Responsibility of
Construction Organisations in Disaster in Sri Lanka

N.B. Nanayakkara , Y.G. Sandanayake, B.J.Ekanayake

The Importance Of Emergency Preparedness And
Business Continuity Planning For Business Resilience:
A Literature Review

K. Tharshanth , Damitha Rajini

8th November 2020

Link A



Session 8

Facilities Management

Session Chair : Prof. Yasangika Sandanayake

Conflicts between Engineers and Technicians: The Case of Sri Lankan Hotel Facilities' Maintenance Departments
I.H.P.R. Indikatiya, A.K.G.I.D. Arambekumbura, Chandanie Hadiwattage

Management of Variations with the Use of Standard Forms of Contract in Public Sector Building Projects in Sri Lanka
A.D. Senadeera, D.C. Sirimewan, B.A.K.S. Perera

Exploring Challenges and Drivers of Facilities Management Outsourcing in Sri Lanka
A.F.Fayasa, Nayanthara De Silva, Mohan M. Kumaraswamy, H.K. Lai Joseph

Diffusion Of Profession In Sri Lankan Organisations: Facilities Management
M. Gowsiga, H.S. Jayasena

An Insight Into The Housekeeping Practices Of Healthcare Facilities In Private Sector
S.S.C. Ginthotavidana, K.G.A.S. Waidyasekara

Link B



Session 9

Vernacular Practices

Session Chair : Prof. Samitha Manawadu

Commercial Evolution of Waterfront: A Historical Analysis of Land Use Pattern & Trend of Commercial Centers in Khulna Respecting Barobazar, Khulna
Muhammad Golam Sami, Shauni Priyam Sikder

Analysis of Historical Data to Determine Early Sri Lankan Print Technologies
Supun Dulanga Gunawardhana, Sumanthri Samarawickrama

Product Personalization: Stimulating Attachment Between Product and Consumers
G. Nilushi Sithara Fernando, W.M.N. Dilshani Ranasinghe

9th November 2020

Link A

4-00 – 4.45pm

Keynote Address 03

Prof. Oscar Carracedo Gracia

Director of Designing Resilience in Asia Research Programme, Department of Architecture, School of Design and Environment, The National University of Singapore.

4.45 – 5.45pm

Session 10

Construction Industry Practices

Session Chair : Prof. Kanchana Perera

Cross-Cultural Dimensions and Cross-Cultural Orientations in Construction Projects: Case Study of Sri Lanka

D.C. Sirimewan, Nirusika Rajenthiran, H.A.S. Madhuwanthi, D.M.P.P. Dissanayake

Impact of Competitive Forces to The Contractors in Sri Lanka: An Industry Analysis Using Porter's Five Forces

P.K.G. Indrarathne, K.A.T.O. Ranadewa, V.G. Shanika

Sufficiency Of The Policies Related To Construction Industry In Sri Lanka

D. A. S. R. Jayatunge, A. P. K. D. Mendis, Vijitha Disaratna

Comparative Study on Establishing Life Cycle Assessment (LCA) in Buildings: Drivers

S.D.I.A Amarasinghe, Dumindu Soorige, Lalith De Silva

Link A

Summing up

Discussion on work presented at the Conference by FARU Committee members

Dr. Chethika Abeynayaka

Dr. Pournima Shridarran

Dr. Wajishani Gamage

Dr. Menaha Thayaparan

5.45 – 6.30pm

Announcing of FARU Award Winners by

Dr. DP Chandrasekera,

Dean, Faculty of Architecture
Conference Chair, FARU 2020

Vote of Thanks

Dr. Sumanthri Samarawickrama

Director- FARU, Conference Co-Chair

National Anthem

End of FARU 2020 virtual Conference

