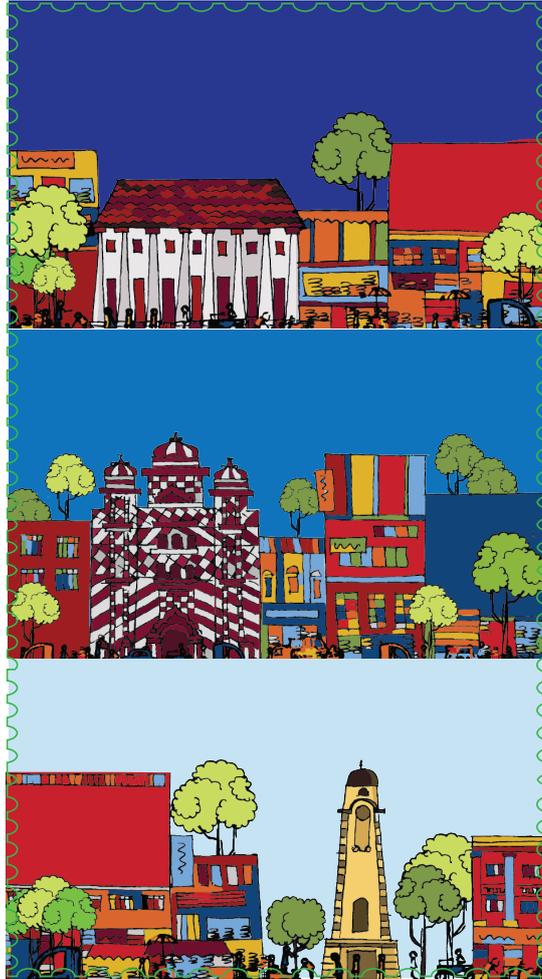


PROGRAMME

14TH INTERNATIONAL RESEARCH
CONFERENCE

3-4 December



BEYOND SUSTAINABILITY
Reflections Across Spaces

ORGANIZED BY



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

3rd December 2021

Link A 9-30 - 10.30am

Inauguration

9.15- 9.30am 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

Keynote Address

Prof. Udo J. Becker

Senior Professor of Transport Ecology,
Institute for Transport Planning and Road Traffic
Dresden University of Technology, Germany



Link A 11.00-12.30pm

Session 1

Urban Movements

Session Chair : Prof. Jagath Munasighe

Session Co-chair : Dr. Chathura De Silva

- PA_35 Analysis of Relationship Between Urban Sprawl and its Driving Factors: A Case of Small and Medium Town in Sri Lanka
Manesha E.P.P & Amila Jayasinghe
- PA_37 Study on Level of Vegetation Land Fragmentation in Western Province, Sri Lanka
Ranaweera. M.N.N., Jayasinghe. A.B. & Abenayake C.
- PA_40 Growing Urban Green Movement: Evaluate the Reinforcement of Community Garden for Renewal Community
Suvimali.E.A.S.S. & Herath.M.
- PA_65 An Assessment of User Preference in Artificial Pathway Lighting in Urban Parks; Cases from Greater Colombo Region
Wickremasinghe L.L.S. & Hettiarachchi A.A.
- PA_61 An Evaluation on Level of Publicness of Urban Public Spaces by Using Core Dimensions; Specific Reference to Galle Fort (Sea Bath Area), Forest (Beach) Park Area, Mahamodara Marine Walk and Ocean Pathway in Galle
K.L.K. Thilini Bhagya Sandaruwani & Chamali Hewawasam
- PA_97 The Influence of Street's Elements on Walkability: A Case of Colombo 07
Ravindra R.K.M.P & Sooriyagoda K.G.
- PA_107 Emergence of Informal Learning Space in University Campus: A Comparative Scenario in the Context of Khulna City
Sourav Zaman & Dilshad Afroz

3rd December 2021

Link A 1-30 - 3.00pm

Session 2

Building Construction and Technology

Session Chair : Prof. Yasangika Sandanayake

Session Co-chair : Dr. Menaha Thayaparan

PA_43 Use of Cyber Physical Systems for the Key Roles of Quantity Surveyors

Weerasooriya. A.D., Perera. B.A.K.S., Gallage. S.D. & Disaratna. P.A.P.V.D.S.

PA_55 Impact of Utility Works in Road Projects in Sri Lanka and Proposed Mitigation Measures

Mohamed Ismail. J., De Silva. M. L. & Waidyasekera. K.G.A.S.

PA_95 Significant Factors Affecting the Life Cycle Cost Elements of a Building

Samaranayake. J., Ramachandra. T. & Madushika. U. G. D.

PA_100 Investigation of Plant and Equipment Operators in Building Construction Projects in Sri Lanka

Waidyasekera K.G.A.S., Ridmika K.I., Sandagomika N.M.G.H. & Konara A.N.

PA_106 Appraising Indoor Thermal Perception of Elderly in Hot Climates: An Experimental Investigation of Free-Running Residential Aged Care Homes in Colombo

Rajapaksha. I., & Sandamini. R.G.P.

Link A 3.30-5.00pm

Session 3

Building Performance and Occupant Comfort

Session Chair : Prof. Nayanthara De Silva

Session Co-chair : Dr. Wajishani Gamage

PA_47 A Framework to Enhance the Practice of Maintenance Budgeting in Commercial Buildings in Sri Lanka

Rukanya. S., Sridarran. P. & Mahedrarajh. G.

PA_105 An Analysis of Daylighting Performance of Learning Spaces in Local Government Sector Schools in Kandy

Abisheka Wijesundara. & Wajishani Gamage

PA_69 Exploring Green Features that make Building Materials Green

Rathnayake. P., Soorige. D., Amarasinghe S.D.I.A. & Dissanayake P.

PA_73 Thermal Performance Comparison on Flooring Materials

Galabada. G.H., Dharmaratne P. D., Galkanda. H. & Halwatura. R.U.

PA_104 Challenges on Urban Ageing in High Density Settlements: Relationship of Built-Environment Attributes and Lifestyle of Elderly in Western Province, Sri Lanka

Jayarathne N.N. & Rajapaksha I.

PA_88 A Hybrid Solar-Wind Energy Generation Approach for Sri Lanka

Mendis, K.S.L., Waidyasekera, K.G.A.S. & Ginthotavidana, S.S.C.

4th December 2021

Link B 9-30 - 11.00am

Session 4

Sustainable Construction

Session Chair : Prof. Indrika Rajapaksha

Session Co-chair : Dr. Wajishani Gamage

-
- PA_36 A Comparative Study of Critical Success Criteria on Sustainable Housing;
A Case of - Low income Housing, Sri Lanka.
Ramanayake R M D T & Chethika Abeynayake
-
- PA_68 Mud-concrete slab system for sustainable construction
Jayasinghe R.R., Nanayakkara K.I.U., Arooz F.R. & Halwatura R.U.
-
- PA_71 Resilience to Covid-19 through Lean Construction
Agana Parameswaran & K.A.T.O. Ranadewa
-
- PA_83 A Sustainable Homestead Prototype in Sundarbans Disaster Adaptability through Alternative Building Materials
Bhuiyan R.H., Shirin S. & Paul Shourov K.
-
- PA_94 Carbon Footprint Analysis of Construction Activities in Sri Lanka: An Input-Output Table
Gunathilake. S., Ramachandra. T. & Madushika. U. G. D.
-
- PA_86 Vegetation Cover Effects on Outdoor Thermal Comfort Around High-Rise Developments
A Case Study of Havelock City, Colombo, Sri Lanka
Weerakoon, L. R.T. & Perera, N. G. R.

Link B 11.00-12.30pm

Session 5

Design Outdoor

Session Chair : Prof. Samitha Manawadu

Session Co-chair : Dr. Pournima Shridarran

-
- PA_42 An Investigation of the Aspects that Affect the Quality of Revitalized Public Spaces With Special Reference to the City of Colombo, Sri Lanka
Lankadhikara L.R.M.N.L. & Ratnayake G.R.
-
- PA_52 Factors Affecting the Perception of Photogenic Quality in Public Spaces; Insights from Arcade Independence Square, Colombo
De Silva. G.G.S. & Hettiarachchi. A.A.
-
- PA_59 The Contribution of Temporary Assemblage Towards Sense of Place: A Study in Aluth Nuwara Sacred Area, Sri Lanka
Wijesekara. W.W.G.M.I.U. & Munasinghe. J.N.
-
- PA_64 A Study on Quality of Life of Middle-Income Group Along Urban Canal Waterfronts With Special Reference to Greater Colombo Region
Madhushan A.M.L. & Dharmasena J.
-
- PA_76 Impact of The Quality of Space of Learning Environment on the Quality of Life of Autistic Children: Insights from three Selected Schools form Kandy, Sri Lanka
Premathilake. K.W..H.K. & Hettiarachchi A.A.
-
- PA_62 Impacts of Landscape Architecture on Outdoor Insecurity in Urban Housing Complexes
Lakchan A. H. & Udalamaththa S.
-
- PA_57 Informality in Formal Spaces through Self Organization: A Study of the People's Processes in Puttalam Town in Sri Lanka
Pathirana. H.P.W.P. & Munasinghe. J.

4th December 2021

Auditorium, Town & Country Planning, 2pm Onwards

Link B 2-00 – 3.30pm

Session 6

People and Perceptions

Session Chair : Prof. Rangajeewa Rathnayake

Session Co-chair : Dr. Chathura De Silva

PA_89 Daylight Variability and Human Perception with reference to selected Contemporary Residential Spaces in Colombo, Sri Lanka
Pathirage, L. Y. & Perera, N.G.R.

PA_90 Multisensory Design for Sense of Coherence: A Case Study of Academics' Workspaces
Caster. F. & Coorey. S.

PA_45 Public vs Private Sector Owned Urban Public Space Performance in terms of User Perception in City of Colombo
A.M. Fayas, M.T.O.V. Peiris & K.G.P. Kalugalla

PA_51 Impact of Colour on Depression, Anxiety and Stress Levels of Physically Disabled Patients in Health Care Facilities A Case in a Rehabilitation Centre at Ragama, Sri Lanka
Hettiarachchi. A. A. & Perera. U.D.R.

PA_53 A Review of Sustainability Assessment Tools on Prioritizing Physical Safety and Comfort to Effectively Control Accidents in Streets of Colombo
Kumaraguruparan. A., Wijesundara. K.W.J.P. & Weerasinghe. U.G.D.

PA_60 Sustaining the Image of the City: What Matters More? An Investigation in the City of Colombo
Rathnasekara S. N. & Munasinghe J. N.

Link B 3.30–5.00pm

Closing Ceremony

Summing up of FARU 2021

Discussion on work presented at the Conference by FARU Committee members

Dr. Chathura De Silva
Dr. Pournima Shridarran
Dr. Wajishani Gamage
Dr. Menaha Thayaparan

Awarding of Certificates by

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

Unveiling of **FARU 2022** Conference Theme

Vote of Thanks

Dr. Sumanthri Samarawickrama
Director- FARU, Conference Co-Chair

National Anthem
End of FARU 2021 Conference

