

TECHNICAL PROGRAMME

18th International Research Conference



Beyond Boundaries: Co-Creating Inclusive & Resilient Spaces

9th – 10th December 2025
Rubert Peiris Building &
Department of Town and Country Planning

ORGANIZED BY



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

Day 01 – 9th December 2025

Conference Inauguration

Venue: Drawing Room, Rubert Peiris Building

3.30 pm Arrival of Guests
Conference Registration

Venue: Rubert Peiris Auditorium

4.30 pm National Anthem
Lighting of the Lamp
Observance of Silence
Curtain Riser

4.45 pm Welcome Address by
Prof. Yasangika Sandanayake
Conference Chair, FARU 2025
Dean, Faculty of Architecture
University of Moratuwa

4.55 pm Theme Address by
Prof. Menaha Thayaparan
Conference Co-Chair, FARU2025
Director – FARU

5.05 pm Address by the Chief Guest

5.15 pm Sponsor Video

5.20 pm **Keynote Address**
Prof. Harsha Munasinghe
School of Architectural Studies,
George Brown College,
Toronto, Canada.

6.00 pm Unveiling of **FARU 2026** Theme
Dr. Pournima Sridarran
Committee Member, FARU2025

6.05 pm Announcement of Day 02 programme

6.10 pm Vote of Thanks
Plnr. Eshi Wijegunaratna
Committee Member, FARU2025

Venue: Drawing Room, Rubert Peiris Building

6.15 pm Refreshments

Day 02 – 10th December 2025

Technical Sessions

Venue: Department of Town and Country Planning

8.00 am Conference Registration

8.30 am Parellel Sessions A
(A1, A2, A3, A4)

10.00 am Refreshments

10.30 am Parellel Sessions B
(B1, B2, B3, B4)

12.00 noon Lunch

1.00 pm Parellel Sessions C
(C1, C2, C3, C4)

2.30 pm Refreshments

3.00 pm Parellel Sessions D
(D1, D2, D3, D4)

Closing Ceremony

Venue: TCP Main Auditorium

4.30 pm Rapporteurs' Report
Dr. Suranga Jayasena
Committee Member, FARU2025

4.50 pm Postgraduate Research at the
Faculty of Architecture
Dr. Sachie Gunatilake
Director, Postgraduate Studies

5.00 pm Awarding of Certificates

5.25 pm Vote of Thanks

5.30 pm Refreshments

Session A1

Public Spatial Behaviour

Venue: TCP Main Auditorium

Session Chair: Dr. Nadeeka Jayaweera

Session Coordinator: Mr.Tharindu Weragama

FARU-C-2025-43 From “Dialectic to Spatial Justice”:
Understanding Socio-Spatial Processes
in Open Public Spaces

Fernando S.P.S.V. & Dharmasena J.

FARU-C-2025-65 Perception of Spatial Safety in Residual
Urban Spaces: A Case Study of
Dehiwala Mount Lavinia Flyover

Kugarajasingham P. & Denipitiya D.N.

FARU-C-2025-67 Women’s Emotional Safety in Urban
Public Spaces in Pettah, Sri Lanka: A
Study of Spatial Perceptions

Kishanthy.P & Botejue, W. P. S.

FARU-C-2025-74 Broken Window Theory and Littering
Behavior: A Study of Spatial-Behavioral
Relationship in Medium-Sized Cities of
Sri Lanka

Abhayantha K.A.P & Balasuriya, S.

FARU-C-2025-103 Evaluating the Influence of Planting
Density on User Perceived Safety and
Negative Behaviours in Urban Public
Spaces: A Case Study of Beira Lake,
Colombo, Sri Lanka

Sathujan, K. & Boteju, P.

Session A2

Sustainable Tourism Development

Venue: TCP Mini Auditorium

Session Chair: Prof. Udayanagani Kulatunga

Session Coordinator: Mr.Naveen Uggoda

FARU-C-2025-50 A Study on the Relevance of Urban
Parks and Recreation Spaces towards
Achieving ‘Healthy Cities’ in Developing
Countries with Special Reference to Sri
Lanka

Senevirathne G.D.K & Munasinghe J.N.

FARU-C-2025-76 Exploring the Possibilities of Utilizing
Landscape to Generate Sensorial
Experience Within Sri Lankan Resort
Industry

*Wadugedara, W.M.D.N & Herath,
H.M.K.D.*

FARU-C-2025-79 Developing a Theoretical Framework
for Assessing User Experience on
Hiking Trails in Sri Lanka

Rahupala R.V.Y.R. & Dissanayake, C.

FARU-C-2025-80 Right to Starlight: Scenic Sites and
Opportunities for Sustainable
Astrotourism in Badulla

Welgama, H. & Dissanayake, C.

FARU-C-2025-47 Appraising the Compatibility of Coastal
Hotels for Carbon Conscious Tourists:
A Focus on Shared Spaces of Hotels in
Galle

Gunaratne, P.M.R.U & Rajapaksha, I.

Day 02-10th December 2025 – Session A: 8.30 am to 10.00 am

Session A3

Inclusive Spatial Design

Venue: TCP Studio 1 on Level 3

Session Chair: Dr. Sumanthri Samarawickrama

Session Coordinator: Ms.Manulji Gunarathne

FARU-C-2025-04 Influence of Tactile Features on Sensory Cues of Visually Impaired Patients in National Eye Hospital, Sri Lanka

Jayasekera, J. P. & Mendis, M. S.

FARU-C-2025-30 Effects of Spatial Navigation on Visuo-Spatial Working Memory in Children with Autism: A Study on 'Special Units' from Primary Schools in Negombo, Sri Lanka

Samarasinghe,P.M & Hettiarachchi, A.A

FARU-C-2025-36 Sensory-Supported Spatial Activation: Architectural Strategies for Elderly Social Engagement - A focus on Private Retirement Facilities in Sri Lanka

Harasgama N. H. & Herath H. M. K. D.

FARU-C-2025-44 The Gendered Right to Public Spaces in Higher Education: A Case Study of University of Moratuwa, Sri Lanka

Gamage N.A. & Rajapakse A.C.

FARU-C-2025-77 The Influence of Outdoor Spatial Attributes in Landscape settings on Children's Behavioural Wellbeing in Sri Lankan Childcare Settings

Priyabhashini, A.K.G.Y. & Dharmasena, S.R.

Session A4

Sustainable Landscapes and Ecology

Venue: Online

Session Chair: Dr. Mihiri Hirudini

Session Coordinator: Mr. Ravindu Pieris

FARU-C-2025-01 Integrating CNN Deep Learning and Biomass Correlation Approaches for Paddy Land Detection and Yield Estimation in North Central Province, Sri Lanka.

Sankavi K., Madusanka N.B.S. & Jayasinghe, A.

FARU-C-2025-03 Reclaiming Abandoned Railway Landscapes for Community Well-Being: A Case Study of Ratmalana, Colombo, Sri Lanka

Amandi K.P.S. & Hettiarachchi A.A.

FARU-C-2025-10 Ecological Rejuvenation of Sal Forest Landscapes: A Native Species-Based Restoration Strategy for a Private Resort in Tangail, Bangladesh

Rukhsat, R., Kundu, G. & Sangit, T.A.

FARU-C-2025-40 A Conceptual Framework for Evaluating Sustainability of Urban Parks in Scotland

Guruge.S.P.P.G.D.K. & Onyango.V

FARU-C-2025-45 Transforming a Waste Landfill into a Living Landscape Museum Park: Using Landscape Architectural Strategies - Case of Meethotamulla Waste Landfill, Sri Lanka

De Silva S.C.J & Choi, H.

Session B1 Heritage and Culture

Venue: TCP Main Auditorium

Session Chair: Prof. Narein Perera

Session Coordinator: Mr. Menura Nonis

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- FARU-C-2025-05 Faith as a Catalyst for Community Organization & Participatory Transformation: The Case of Gale Dewalaya, Minuwangoda, Sri Lanka
Gunarathne, W. D. M. M. & Rathnayake, R. M. S. R.
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- FARU-C-2025-13 Exploration of How Social Roles and Status Influenced the Anthropometric Design of Wooden Chairs in the Kandyan Period of Sri Lanka
Sanjuka G.T.N., Kulathunga, W.D.D. & Mendis, M.S.
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- FARU-C-2025-19 Preserving Indigenous Knowledge: Safeguarding Sri Lanka's Disappearing Kandyan Jewellery Craft
Rajapaksha, R.D.C.D. & Rathnayaka, R.T.
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- FARU-C-2025-29 Designing a Speculative Digital Forest for Archiving Meme Culture as Public Memory
Fonseka. O. N. P. & Liyanage P. P.
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- FARU-C-2025-41 An Assessment of Place Attachment in Adaptive Reuse: Reflection on Selected Historical Public Buildings in Colombo, Sri Lanka
Nusharee, H.P.T.D. & Rajapaksha, U.
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- FARU-C-2025-84 Post-Conflict Landscape Restoration of Communal Spaces for User Accessibility in Jaffna City Region: A Case Study of KKS Beach and Keerimalai Sacred Water Springs in Post-War Jaffna
Samarathunga H.G.D.L. & Hirudini S.M.
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Session B2 Construction and Property Management

Venue: TCP Mini Auditorium

Session Chair: Prof.Thanuja Ramachandra

Session Coordinator: Ms.Vithakshi Fernando

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- FARU-C-2025-38 Challenges Faced by Sub-Contractors in Managing Disaster-Related Claims in Sri Lankan Construction Industry
Vinojan K., Gheethanjali B., Sandanayake Y.G. & Bandaranayake D.M.L.N.
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- FARU-C-2025-66 SME Characteristics-Impact Duality Framework: A Literature Review
Darshanie, J.D., Perera, B.A.K.S., Ranadewa. K.A.T.O. & Ratnayake, M.R.I.U.K.
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- FARU-C-2025-113 Enhancing Physical Asset Resilience in Apparel Manufacturing: Insights from Industry Experts
Koralage S.P., Rajini P.A.D. & Samarakoon. W.K.U.R.M.K.P.K.
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- FARU-C-2025-114 A Conceptual Framework for Predicting CIDA Construction Cost Indices Using Big Data Analytics
Romilas, M.A, Jayasena, H.S., Mannapperuma, M.M.N. & Piranavan, S.
-
- FARU-C-2025-115 Adoption of Agile Practices for Achieving Construction Project Success in Sri Lanka: A Narrative Review
Priyadharshini, S., Thayaparan, M. & Nanthagoban, Y.
-
- FARU-C-2025-68 Influence of Paving and Building Facades on Pedestrian Walkability in D.S. Senanayake Road, Kandy, Sri Lanka
Keshani, A.G.C. & Dharmasena, S.R.
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Day 02-10th December 2025 – Session B: 10.30 am to 12.00 noon

Session B3

Functional Aesthetic Spaces

Venue: TCP Studio 1 on Level 3

Session Chair: Prof. Wasana de Silva

Session Coordinator: Ms.Bavani Rathnasiri

FARU-C-2025-07 Investigating of Aesthetic and Functional Potential of Sri Lankan Handicrafts for Contemporary Interior Design

Jayasinghe, D.C.S. & Mendis, M.S.

FARU-C-2025-23 An Experimental Study on the Impact of Interior Lighting Conditions on Plant Growth

Anuththara V.A.D., Mendis S.S.M. & Udawththa C.

FARU-C-2025-26 The Space In-Between: Designing Absence as a Dynamic Force in Design

Liyanage. P.P.

FARU-C-2025-31 Exploring the Influence of Urban Wetlands on Sense of Place with Special Reference to the Adjacent Community of Bellanwila - Attidiya Marsh

Kavinash S. & Amendra S.

FARU-C-2025-85 Spatial, Sensory, and Material Triggers of Nostalgic Memory in Therapeutic Landscape Design

Athukorala, H.N. & Balasooriya, S.

Session B4

Design for People

Venue: Online

Session Chair: Dr.Kamal Wasala

Session Coordinator: Ms.Amasha Sathsarani

FARU-C-2025-11 Spatial Patterns as a Reflection of Social Morphology: A Study of the Fishery Community at Siriwardhana Place, Negombo Lagoon, Sri Lanka

Priyamantha D.M.W.N.

FARU-C-2025-105 Analysis of the Adverse Pedestrian Behavior in Dhaka City Based on the Lack of Public Interest Design Strategies

Ta-sin, L M.

FARU-C-2025-27 Tiny Bricks, Big Ideas: Promoting Women in Construction through Collaborative and Participatory Action Research in Australia

Rodrigo, N., Wijewickrama, M.K.C.S., Jayathilaka, R.D.W.W., Rajenthiran, N. & Chang R.

FARU-C-2025-15 Impacts of Multi-Sensory Design Elements in Office Environments on the Employee's Well-Being at Workplaces: An Experimental Study With Special Reference to Selected IT Offices in Colombo District

Sivaneswaran, V. & Hettiarachchi A.A.

FARU-C-2025-48 Living Landscapes: Indigenous Nature-Based Solutions through Human-Mammal Coexistence in Southern Bangladesh

Priota, R.N. & Srijon, N.A.

Session C1

Blue Green Infrastructure

Venue: TCP Main Auditorium

Session Chair: Prof. Jagath Munasinghe

Session Coordinator: Ms.Kirushtika Thiruchelvam

FARU-C-2025-81 Spatial Factors Influencing the Regeneration of Abandoned Landscapes Adjacent to Water Bodies: Case Studies from Panadura & Moratuwa, Sri Lanka

Sampath, A.L.A.T. & Balasuriya, B.

FARU-C-2025-87 Influence of Vertical Eye Illuminance on Workers' Visual Comfort in Green Industrial Landscapes: Case Study from the Textile Factory in Sri Lanka

Gamage T.G.A.S. & Dharmasena S.R.

FARU-C-2025-89 Temporal Evolution of Blue - Green Infrastructure and Perceived Benefits: A Case Study for Urban Context of Colombo, Sri Lanka

Jayanetti, D.A.N.K & Jayaweera, N.

FARU-C-2025-98 Quantifying the Diurnal Park Cool Island Effect of Viharamahadevi Park, Colombo, Sri Lanka

Illibbuluwa, I.G.R.P.C. & Perera, N.G.R

FARU-C-2025-99 The Contribution of Natural Environment-Related Activities to Reducing Stress Among Visitors: A Study Related to Diyasaru Wetland Park, Sri Lanka

Wijerathne, D.A.M.Y.R. & Dharmasena, S.R.

Session C2

Safety, Health and Wellbeing

Venue: TCP Mini Auditorium

Session Chair: Dr. Dumindu Soorige

Session Coordinator: Mr.Sanjai Madhusanad

FARU-C-2025-08 The Adaptable Home: A Conceptual Framework for Designing Adaptable Middle-Income Houses in Sri Lanka

Weerakkody B.R. & Arooz F.R.

FARU-C-2025-21 Vertical Densification and Indoor Comfort: A Perceived Indoor Environmental Quality Assessment of Ground-Floor Living Spaces in Swarna Place, Colombo

Senarathna M.S.M. & Hettiarachchi A.A.

FARU-C-2025-52 Social Adaptations in Transition to Vertical Living: A Study of Communities Relocated Under Urban Regeneration Project of Colombo

Abewardana, M.T.K. & Munasinghe, J.N.

FARU-C-2025-22 Developing a Rubric for Understanding the Maturity of Safety Culture in Large-Scale Apparel Manufacturing Organisations in Sri Lanka

Harshani, P.G.H., Dissanayake, P. & Sathsarani, W.N.K.B.N.A.

FARU-C-2025-54 Pitfalls of Traffic Safety Enforcement in Sri Lanka

Mohamed Roomy.K.L., Geerthan, S. Sivanraj, S., Karannath, S. & Logendran, J.

Session C3

Urban Space Dynamics

Venue: TCP Studio 1 on Level 3

Session Chair: Dr.Rizvi Noordeen

Session Coordinator: Ms. Gheethanjali
Balasubiramaniyam

FARU-C-2025-42 Mapping Urban Tree Canopy Loss as an Indicator of Development Pressure in the Colombo Metropolitan Region (2004–2024)

Ranasinghe, D.A.S.M., Thamarasi, G.H.M. & Somasekara, J.P.S.

FARU-C-2025-112 Evolution of Urban Space through Interventions, Appropriations and Adaptations: A Study of the Post-Highway Flyover Built Environments in Colombo

Subash, W.S., Munasinghe, J.N. & Hewawasam, C.

FARU-C-2025-116 The Impact of Spatial Configuration on Human Behavior in Urban Voids: A Case Study on Kalmunai Town

Mehnas, Y. & Gamage W. O.

FARU-C-2025-39 Enhancing Visual and Spatial Quality in Streetscape for Visual Sustainability: Special Reference to the Coastal City Matara, Sri Lanka

Ranasinghe, M. & Coorey, S.B.A.

FARU-C-2025-35 Reimagining Post-Conflict Urban Reconstruction: The Role of Design in Industrial Restructuring

Logapawan, J. & Pathiraja, M.

Session C4

Architecture, Technology and Practice

Venue: Online

Session Chair: Dr.Sagara Jayasinghe

Session Coordinator: Mr.Piranavan Sivasothy

FARU-C-2025-33 AI as a Co-Creator in Design Development: Exploring the Phenomenology of Generative AI in Landscape Architecture

Thuvarahan, B. & Jayaweera, N.

FARU-C-2025-55 Impact of Building Morphology on Energy Efficiency in Developing Countries: A Study of Office Buildings in Sri Lanka

Marasinghe, S.N., Kulatunga, U. & Wijewickrama, M.K.C.S.

FARU-C-2025-56 Strategies and Best Practices for Effective Collaboration in Integrating Sustainable Practices in Renovation Projects

Jathurshan, R. & Waidyasekara, K.G.A.S.

FARU-C-2025-58 Biophilic Architecture for the Salutogenic Well-Being of Elders: A Focus on Elderly Care Centre Design

Ariyawansa, D.N. & Perera N.G.R.

Day 02-10th December 2025 – Session D: 3.00 pm to 4.30 pm

Session D1

Water and Coastal Environmental Management

Venue: TCP Main Auditorium

Session Chair: Prof. Samitha Manawadu

Session Coordinator: Mr.Suwinka Fernando

FARU-C-2025-34 Seasonal Adaptation through Vernacular Strategy in Vulnerable Water Nomad Community in Bangladesh

Mahia Mustary, N.A & Aqib Mohammad, N.B.

FARU-C-2025-53 Sustainability and Adaptive Governance in Village Tank Cascades: An Agent-Based Modeling Approach to Water-Sharing Governance

Weragama K.M.W.M.D.M.K.W.T.D.B. & Hearth, H.M.M

FARU-C-2025-60 A Study on Visual Evidence and Community Insights into Reef Degradation: A Case Study on Moragalla Coastal Zone, Sri Lanka

Nipunika, S. & Denipitiya, D.

FARU-C-2025-62 Ecological Biomimetic Design of Coastal Green Infrastructure: Evaluating Habitat Complexity in E-Concrete Modules for Resilient Reef Patches

Madhusanad, R.S.

FARU-C-2025-104 Influence of Invasive Vegetation on Salinity in Southern Coast Wetlands, Sri Lanka: A Case Study of Bundala Wetland in Southern Coast, Sri Lanka

Sandaruwan, K.D.I. & Hirudini, S.M.

Session D2

Sustainable Construction Materials

Venue: TCP Mini Auditorium

Session Chair: Dr. Nandun Madushanka

Session Coordinator: Ms. Kalani Jayaweera

FARU-C-2025-24 Strategies for the Use of Sustainable Materials in Road Construction: A Qualitative Delphi Study

Sayanthan, T., Fernando, S.M.H., Perera, B.A.K.S. & Ranadewa, K.A.T.O.

FARU-C-2025-28 Understanding Barriers and Enablers of Carbon Data Management for Carbon Assessment in the Sri Lankan Construction Industry: A Stakeholder Perspective

Rajapaksha, T.

FARU-C-2025-63 Barriers to the Implementation of 3D Printing Concrete Technology in Sri Lanka

Bandara, R.M.H.R., Thayaparan, M. & Dasuni K.A.L

FARU-C-2025-69 From Waste to Worth: Feasibility of Repurposing Construction Timber Waste into CLT-Inspired Sustainable Panels in Developing Countries

Bandara, W.M.P.M., Waidyasekara, K.G.A.S. & Ranasinghe, P.H.G.M.A.

FARU-C-2025-108 Application of Bamboo as a Sustainable Construction Material in Sri Lankan Construction Industry

Amaradiwakara, K.K., Kulatunga, U. & Subhasingha H.D.

Day 02-10th December 2025 – Session D: 3.00 pm to 4.30 pm

Session D3 Ecological Coexistence

Venue: TCP Studio 1 on Level 3

Session Chair: Dr. Chathura de Silva

Session Coordinator: Ms. Kethmi Ruwanima

FARU-C-2025-32 From Elephants to a Chat Group: Tracing More-Than-Human Networks in Sri Lanka's Human–Elephant Conflict

Nazurdeen N. & Nawarathne D.

FARU-C-2025-72 Study on the Impact of Urban Insect Presence on User Experience and Behaviour in Public Spaces: Case Study in Colombo

Nanayakkara A. & Amendra S.

FARU-C-2025-82 The Mycological Nexus: A Meta-Synthetic Design Framework for Biochemically Remediative and Neuro-Inclusive Urban Spaces

Jayarathna, H.M.P.H.

FARU-C-2025-102 Dual Mobility Networks: Assessing the Effectiveness of the Strategies to Mitigate Elephant – Train Collisions in Sri Lanka

Wijekoon, W.M.S.S. & Dissanayake, C.

Session D4 Community Engagement and Behaviour

Venue: Online

Session Chair: Dr. Priyanwada Singhapathirana

Session Coordinator: Ms. Nadeera Umayangani

FARU-C-2025-12 Beyond Solidity: A Participatory Approach for Formal Housing Design

Rahad, M. A., Sojib, A.A.S., Supty, F.T., Sen, A.K. & Islam A.M.

FARU-C-2025-17 The Influence of Spatial Marketing Strategies on Consumer Behavior: Lessons Learned from Pamunuwa Textile Market, Sri Lanka

Hashinika, J.A.R. & Rathnayake, S.R.

FARU-C-2025-37 Façade Character Repetition and Its Impact on Legibility of Urban Landscapes: A Case Study of Main Street Pettah and Galle Road (Bambalapitiya)

Abeyrathna A.H.M.C.V. & Coorey, S.B.A.

FARU-C-2025-46 Evaluating Age-Friendliness of a Shrinking Urban Community: Case Study of Saviniemi Neighbourhood in Myllykoski, Finland

Jahangir S.K.B & Galib M.M
