

DETAILED SESSION PLAN

FRIDAY, 10 JULY 2026

SESSION 1A

Theme	Waste Management for Regenerative Built Environment
Session Chair	Prof. (Mrs.) Udayangani Kulatunga
Venue/Time	Tanzanite 1 / 02.00 PM - 03.30 PM
Virtual	Breakout Room - Session A

Time	Paper ID, Title and Author(s)
02.00 PM - 02.10 PM	S18034: Pivot Strategies for Lean Construction Implementation: A Sri Lankan Perspective <i>S.A.A.B. Senevirarhne, C. Allis, K. Guruge</i>
02.10 PM - 02.20 PM	S18084: Contractual Provisions Inducing Construction Waste Generation: An Analysis of Sri Lankan Standard Forms of Contract <i>R.D.L. Fernando, R.M.H.R Bandara., M. Thayaparan.</i>
02.20 PM - 02.30 PM	T18119: From Waste to Use: Plywood Usage and Wastage in Slab and Beam Construction <i>W.M.P.M. Bandara, K.G.A.S. Waidyasekara, P.H.G.M.A. Ranasinghe</i>
02.30 PM - 02.40 PM	S18125: Robotics Systems for Closed Loop Construction: A Bibliometric Analysis of Construction Demolition Waste Management <i>M.K.L.I.C Fernando, P.L.I Wimalaratne</i>
02.40 PM - 02.50 PM	S18158: From Waste to Worth: Digitalizing Secondary Materials Market in Construction <i>K. Arthigan, B.A.I Eranga</i>
02.50 PM - 03.00 PM	S18111: Data Requirements for a Material Passport in the Sri Lankan Construction Industry <i>H.S Jayasena, S. Piranavan, H.G.G. Nawarathna</i>
03.00 PM - 03.30 PM	Q&A

Session Coordinator: Ms. Anuki Kavirathne

FRIDAY, 10 JULY 2026

SESSION 1B

Theme	Technological Transformation through Digital Twins & BIM
Session Chair	Assistant Professor Dr Ranju kumari Shiwakoti
Venue/Time	Tanzanite 2 / 02.00 PM - 03.30 PM
Virtual	Breakout Room - Session B

Time	Paper ID, Title and Author(s)
02.00 PM - 02.10 PM	S18002: From BIM 6D/7D to Operational Digital Twins Closing the Building Energy Performance Gap in Tropical Buildings - A Mixed-Methods Study in Sri Lanka <i>T.H. Madushanka, S.D.A. Soorige, H.W.N. Madhusanka</i>
02.10 PM - 02.20 PM	S18030: Assessing BIM Knowledge Among Construction Professionals in Sri Lanka: Challenges and Opportunities <i>G.K.G.S. Kosala, R.P.T Nyanathara</i>
02.20 PM - 02.30 PM	S18067: Prioritizing BIM-Based Safety Management Features Using the Analytic Hierarchy Process <i>T.N.D. Thanthirige, M.M.I.S. Mapa, G.G.N. Chandani</i>
02.30 PM - 02.40 PM	S18141: From Inertia to Integration: Evaluating the Challenges and Enablers of BIM in the Infrastructure Sectors of Sri Lanka and the Middle East <i>A. Lokuge, G.H.S.P De Silva, S. Vinoshan.</i>
02.40 PM - 02.50 PM	S18016: Conceptual Digital Twin Framework for Conserving Urban Cultural Heritage: A Case of Slave Island, Colombo <i>W.D.B.J. Jeewananda, K.S.K.N.J Kudasinghe, A.R. Rupasinghe</i>
02.50 PM - 03.00 PM	S18157: A Conceptual Hybrid Framework for CDE Configuration: Balancing ISO 19650 Rigidity with Agile Flexibility <i>B.K.C Perera, H.S. Jayasena, M. Siriwardena</i>
03.00 PM - 03.30 PM	Q&A

Session Coordinator: Mr. Kawshalya Sepalage

FRIDAY, 10 JULY 2026

SESSION 1C

Theme	Energy, Retrofits, and Net-Zero Built Environment
Session Chair	Associate Prof. Nirodha Fernando
Venue/Time	Aquamarine 1 / 02.00 PM - 03.30 PM
Virtual	Breakout Room - Session C

Time	Paper ID, Title and Author(s)
02.00 PM - 02.10 PM	S18025: Exploring the Current Status of Retrofitting or Rebuilding in Construction <i>B.W. Madanayake, S. Nissanka</i>
02.10 PM - 02.20 PM	S18047: Simulation-Based Evaluation of Energy Performance in Adaptive Reuse of Historic Buildings Across Different Climatic Zones of Sri Lanka <i>A. Tharmitha, G.Y. Jayasinghe, M.K.M Prabodani, K. Anojan, R.U. Halwatura</i>
02.20 PM - 02.30 PM	S18121: Strategies to Achieve Net-zero Carbon Goals in Construction Industry <i>R.M.D.D Rathnayake, B.A.K.S Perera, A.S Kavirathna</i>
02.30 PM - 02.40 PM	S18068: Enhancing Building Energy Data Management in Sri Lanka: Barriers, Enablers, and Strategic Pathways <i>R.Y. Silva, H.W.N. Madhusanka, K.A.R.V.D. Kahandawa</i>
02.40 PM - 02.50 PM	S18116: Conceptualising A Value Stream Mapping (VSM)-Based Decision-Making Model for Lean Energy Retrofitting of HVAC Systems in High-Rise Buildings: Literature Review Approach <i>H.M.D.C Gamagedara, H. Mallawaarachchi, J.A.D.K.S Jayakodi</i>
02.50 PM - 03.00 PM	S18151: Planning Net-Zero Energy Communities: Housing Strategies for Post-Disaster Resettlement in Sri Lanka - A Narrative Review <i>B.G.H.N Premasinghe, B.A.I Eranga</i>
03.00 PM - 03.30 PM	Q&A

Session Coordinator: Ms. Gheethanjali Balasubiramaniam

FRIDAY, 10 JULY 2026

SESSION 1D

Theme	Human-Centred perspectives on Built Spaces
Session Chair	Prof. Lalith De Silva
Venue/Time	Aquamarine 2 / 02.00 PM - 03.30 PM
Virtual	Breakout Room - Session D

Time	Paper ID, Title and Author(s)
02.00 PM - 02.10 PM	S18008: Unheard Stakeholder Voices: Evaluating the Functional Performance of the Manning Market Building <i>U. Hettithanthri, D.K.Nalaka Krishantha</i>
02.10 PM - 02.20 PM	S18009: Age-Related Variations in Spatial Cognition and Spatial Behavior in Royal Botanic Gardens, Peradeniya: Evidence from the Royal Botanic Gardens, Peradeniya <i>W.M.S.S. Dissanayake, S. Amendra</i>
02.20 PM - 02.30 PM	S18045: The Impact of Material Expression at Entrance Thresholds on Invitation to Access: A Comparative Study of Shopping Malls in Colombo, Sri Lanka <i>P.N.S Wijayarathne, S.M. Hirudini</i>
02.30 PM - 02.40 PM	S18109: Optimising Investment Decisions in Homestay Tourism: A Cost and Performance Analysis of Coastal Regions in Sri Lanka <i>Y.K.K Sampath, J.A.C.D. Jayalath, S. Piranavan, H.S. Jayasena</i>
02.40 PM - 02.50 PM	S18056: The Influence of Visibility on Personal Space Creation in Urban Public Spaces: A Case Study of the Arcade at Independence Square <i>Y.R. Dissanayake, S.M. Hirudini</i>
02.50 PM - 03.00 PM	S18117: Revisiting Methodological Taxonomy: Locating Design Science Research within Research Design Hierarchies <i>W.M.I.H. Wijesundara., P.L.I Wimalaratne., U. Kulatunga</i>
03.00 PM - 03.30 PM	Q&A

Session Coordinator: Ms. Nawanjana Mannapperuma

FRIDAY, 10 JULY 2026

SESSION 1E (Hybrid)

Theme	Operationalising Circular Economy and Emission Reduction
Session Chair	Associate Prof. Sivakumar Palaniappan and Dr. Prince Antwi-Afari
Venue/Time	Jade / 02.00 PM - 03.30 PM
Virtual	Breakout Room - Session E

Time	Paper ID, Title and Author(s)
02.00 PM - 02.10 PM	S18058: A Conceptual Framework for the Adoption of a Life Cycle Assessment-Based Emissions Trading Scheme in the Australian Construction Sector <i>P. Yang, B.T.H. Lim, B.L. Oo</i>
02.10 PM - 02.20 PM	S18020: Appropriateness of Commonly Used Methods for Assessing the Impacts of Circular Economy Practices <i>I. Gamage, S. Senaratne, S. Perera, X. Jin</i>
02.20 PM - 02.30 PM	S18024: Circular Economy Knowledge Management Initiatives in the Australian Construction and Demolition Waste Management Sector <i>M. Nadeetharu, N. Udawatta, G.P. Costin, G. Karunasena</i>
02.30 PM - 02.40 PM	T18062: Risk Perceptions in Circular Economy Adoption in the Australian Construction Industry <i>I.R. Kadirappulige, G. Karunasena, N. Udawatta, A. Grumu</i>
02.40 PM - 02.50 PM	S18102: Operationalizing Circular Economy in Mega Infrastructure Projects: A Data-Driven Analysis <i>P. Maneesha, S. Loganathan, D. Mouli</i>
02.50 PM - 03.00 PM	S18015: Analysing Key Process Areas in Developing the Circular Economy Maturity Model for Construction Organisations <i>S. Jayakodi, S. Senaratne, S. Perera, K. Bamdad</i>
03.00 PM - 03.30 PM	Q&A

Session Coordinator: Mr. Yasith Sandaruwan

FRIDAY, 10 JULY 2026

SESSION 2A

Theme	User-Centred Building Performance and Design
Session Chair	Associate Professor Sepani Senaratne
Venue/Time	Tanzanite 1 / 04.00 PM - 05.30 PM
Virtual	Breakout Room - Session A

Time	Paper ID, Title and Author(s)
04.00 PM - 04.10 PM	S18128: Integration of Post Occupancy Evaluation into Government Office Buildings to Enhance User Satisfaction <i>H.D. Subhasingha., P.A.P.V.D.S Disaratna</i>
04.10 PM - 04.20 PM	S18099: Ergonomic Performance Indicators for Evaluating Office Workstation Arrangements <i>T.A. Kasthuriarachchi, M.M.I.S. Mapa, G.G.N Chandani</i>
04.20 PM - 04.30 PM	T18103: Puzzleglaze: A User-Driven Window System to Maximize User Comfort <i>S.S. Shaikh, A.Garud</i>
04.30 PM - 04.40 PM	S18074: Workplace Design and Gen Z Retention: A Social Sustainability Perspective in Sri Lanka <i>S.N. Ranathunga., P. Dissanayake., W.N.K.B.N.A Sathsarani</i>
04.40 PM - 04.50 PM	S18149: Beyond The Envelope: Examining Project Management as a Catalyst for High-Performance Building Design <i>H. Deheragoda, G.H.S.P. De Silva, M. Jinthusan</i>
04.50 PM - 05.00 PM	S18113: Temperature and Humidity Control in Operating Theatres: BMS Vs. Thermostat Systems <i>K.S. Ramasingha, D.A. Soorige, K. A. D.M. Natasha</i>
05.00 PM - 05.30 PM	Q&A

Session Coordinator: Mr. Charuka Deshan

FRIDAY, 10 JULY 2026

SESSION 2B

Theme	Data-Driven Innovations in the Built Environment
Session Chair	Dr. Indrani Wimalaratne
Venue/Time	Tanzanite 2 / 04.00 PM - 05.30 PM
Virtual	Breakout Room - Session B

Time	Paper ID, Title and Author(s)
04.00 PM - 04.10 PM	S18061: From Reactive Reporting to Regenerative Control: Rethinking Construction Progress Monitoring in Sri Lanka through IOT Enabled Real-time Practices <i>T.M.A.Y.B. Malvila, R.M.H.R. Bandara, M. Thayaparan</i>
04.10 PM - 04.20 PM	S18162: Applicability of Artificial Intelligence for improving Infrastructure Resilience <i>S.A.L. Wimalasuriya, U. Kulatunga, D. Munasinghe, N. Dias</i>
04.20 PM - 04.30 PM	S18127: Integrating Computer Vision into Quality Assurance of Structural Concrete in Sri Lankan Construction Industry <i>V. Krishan, I. Seneviratne, B. Gheethanjali, S. Sivanraj</i>
04.30 PM - 04.40 PM	S18134: Macroeconomic Driven Cement Price Forecasting in Sri Lanka Using Econometric and Deep Learning Models <i>H.H.A.P. Hemantha, D.N.L.S. Uduwage, R.K. Shiwakoti, K.G.A.S. Waidyasekara</i>
04.40 PM - 04.50 PM	S18133: Impact of Digital Payment Methods on Greenhouse Gas Emissions: Evidence from Asian Economies <i>K.G.H.M. Senevirathna, N.P.Y.R. Kumarasiri, A.P.H.D.C.I. Minirankotuwa, P.D.P.S. Pallewela, W.Weerathunga, D.D.Silva</i>
04.50 PM - 05.00 PM	S18088: FPM Sentinel: A Data-Driven Facility Performance Management Dashboard for The Sri Lankan Built Environment <i>M.N.S. De Silva, H.W.N. Madhusanka, K.A.D.M. Natasha</i>
05.00 PM - 05.30 PM	Q&A

Session Coordinator: Ms. Nishadi Nanayakkara

FRIDAY, 10 JULY 2026

SESSION 2C

Theme	Housing, Urban Space Designs for Inclusive Communities
Session Chair	Prof. Hemanta Doloi
Venue/Time	Aquamarine 1 / 04.00 PM - 05.30 PM
Virtual	Breakout Room - Session C

Time	Paper ID, Title and Author(s)
04.00 PM - 04.10 PM	S18017: Resilient and Culturally Responsive Plantation Housing: Socio-Spatial Adaptation in Dunsinane Estate, Sri Lanka <i>K. Krishanth, V. Vidhushan</i>
04.10 PM - 04.20 PM	S18043: The Effect of House Plan Types on House Plan Transition Patterns in Upper Middle-Class Residences: Case in Aniwatte, Kandy <i>H.M.P.M.K. Wijerathne, S.M. Hirudini</i>
04.20 PM - 04.30 PM	S18044: The Impact of Location on Threshold Space Architectural Character: Study of Egoda Uyana, Sri Lanka <i>S.I. Rajapakse, M. Hirudini</i>
04.30 PM - 04.40 PM	S18050: Influence of Personal Space on Privacy-Related Psychological Comfort in Migratory Settlements: A Case Study of Muththettugala, Kurunegala <i>W.M.S.S. Dissnayake, S. M. Hirudini</i>
04.40 PM - 04.50 PM	S18052: Harnessing Socio-Cultural Practices of Shanty Dwellers for Inclusive Urban Development in Sri Lanka: Evidence from Wattala <i>H.M.O.V Herath, M.W.R. Thathsara</i>
04.50 PM - 05.00 PM	S18085: Incremental Retrofitting and Material - Space Adaptation in Plantation Line Housing: Evidence from a Wet-Zone Settlement in Sri Lanka <i>M.S.M. Senarathna, A. Hettiarachchi</i>
05.00 PM - 05.30 PM	Q&A

Session Coordinator: Ms. Vithusha Aathithan

FRIDAY, 10 JULY 2026

SESSION 2D

Theme	Construction Business, Entrepreneurship & Project Delivery
Session Chair	Prof. (Mrs.) Thanuja Ramachandra
Venue/Time	Aquamarine 2 / 04.00 PM - 05.30 PM
Virtual	Breakout Room - Session D

Time	Paper ID, Title and Author(s)
04.00 PM - 04.10 PM	S18143: The Mind Behind the Machine: Mapping Personality-Based Traits to Entrepreneurial Decision-Making in Construction SMEs <i>K.M. Pulasinghe, G.H.S.P. De Silva, A.A.D.A.T. Vihindhuni, A.O. Lokuge</i>
04.10 PM - 04.20 PM	T18087: A Conceptual Management Framework for Resource and Financial Optimisation of Construction SMES in Sri Lanka <i>A.W.G.S.B. Amaradiwakara, K.A.K. Devapriya</i>
04.20 PM - 04.30 PM	T18096: Significance of Joint Venture Enterprises for the Development of Construction Industry of Sri Lanka <i>Y.M.W.H.M.R.R.L.J.B Kiridana, M.D.T.E Abenayake</i>
04.30 PM - 04.40 PM	S18114: Early Contractor Involvement in a Developing Country Context: Public - Private Sector Differences and Emerging Variants <i>H.D.A.S Kumari, D.N. Abeynayake, S. Piranavan</i>
04.40 PM - 04.50 PM	S18145: Building Resilience: Navigating the Barriers of Innovation in Construction SMEs of Sri Lanka <i>N.L.A. Nissanka, G.H.S.P. De Silva, R. Ahila</i>
04.50 PM - 05.00 PM	T18136: Digital Transformation in Large-scale Construction: A Real-world Implementation <i>S.I. Mahawatta, K.G.A.S Waidyasekara, P.H.G.M.A Ranasinghe</i>
05.00 PM - 05.30 PM	Q&A

Session Coordinator: Ms. Gheethanjali Balasubiramaniam

FRIDAY, 10 JULY 2026

SESSION 2E (Hybrid)

Theme	Digital Transformation for Regenerative Construction
Session Chairs	Dr. Mohan Siriwardhana and Dr. Michele Florencia Victoria
Venue/Time	Jade / 04.00 PM - 05.40 PM
Virtual	Breakout Room - Session E

Time	Paper ID, Title and Author(s)
04.00 PM - 04.10 PM	S18101: BIM Consultancy Cost Formation in Design-Stage Public Projects: Evidence from Vietnam <i>M.L. Vu, T.Q. Nguyen</i>
04.10 PM - 04.20 PM	S18040: A Theoretical Framework for the Adoption of Artificial Intelligence Technologies in the Construction Industry <i>R. Li, B.L. Oo, B.T.H. Lim</i>
04.20 PM - 04.30 PM	T18081: A Framework for the Parametric BIM Implementation and Design Automation in Transportation Infrastructure Projects in India <i>M. Kumar, S. Loganathan</i>
04.30 PM - 04.40 PM	T18093: Development of A Blockchain-Enabled Smart Contract Framework for Linear Construction Projects <i>A.A. Nair, P. Prabu</i>
04.40 PM - 04.50 PM	S18019: A Review of Building Information Modelling (BIM) Research in New Zealand Academia from 2010–2025 <i>M.A. Rahman</i>
04.50 PM - 05.00 PM	S18167: A Methodology for Selecting a Digital Twin Platform for Application Development in Construction <i>B.P. Arsecularatne, N. Rodrigo, R. Chang</i>
05.00 PM - 05.10 PM	S18039: Digitalising Urban Drainage Systems: Barriers and Implications for Vietnam <i>V. Mai, T.Q. Nguyen</i>
05.10 PM - 05.40 PM	Q&A

Session Coordinator: Mr. Lakshitha Bandaranayake

SATURDAY, 11 JULY 2026

SESSION 3A

Theme	Bio-based and alternative Construction Materials
Session Chair	Dr. Tharusha Ranadewa
Venue/Time	Tanzanite 1 / 09.00 AM - 10.30 AM
Virtual	Breakout Room - Session A

Time	Paper ID, Title and Author(s)
09.00 AM - 09.10 AM	S18023: Comparative Field Performance of Organic and Commercial Preservatives Against Blue Stain Fungi in Pinewood <i>L.R. Rathuge, I.S. Hewage, M.S. Mendis, R.U. Halwatura</i>
09.10 AM - 09.20 AM	S18031: Integrating Material Performance and Pedestrian Experience in Sri Lanka: A Review of Bio-Based Wood-Clay Composites in Landscape Architecture <i>K.P.S. Amandi, A.H.U. Nawagamuwa</i>
09.20 AM - 09.30 AM	S18094: Performance Evaluation of Wood-Based Additives in Asphalt Binder: A Comparative Study <i>P.K.V.M. Senevirathne, J.M. D. Ashen, T. D. Perera, R. L. H. Gunawardena</i>
09.30 AM - 09.40 AM	T18078: Material Innovation as a Cultural Material Practice: Coconut Based Product Design for Regenerative Futures <i>C.P. De Silva</i>
09.40 AM - 09.50 AM	T18108: Iron Slag Substitution in Soil-Based Geopolymers: A Comparative Study with Coal Fly Ash for Non-Load Bearing Applications <i>R.K.N.P. Piyasena, M.F.F. Farha, I.S. Hewage, S.M. Young, R.U. Halwatura</i>
09.50 AM - 10.00 AM	T18076: Applicability Of Autoclaved Aerated Concrete (AAC) Blocks Compared to Conventional Bricks and Blocks Within the Sri Lankan Context <i>N.T. Pawani, J.K.D.D.T. Jayanetti, D.P. J.D. Ranasinghe</i>
10.00 AM - 10.30 AM	Q&A

Session Coordinator: Mr. Charuka Deshan

SATURDAY, 11 JULY 2026

SESSION 3B

Theme	Circular Economy Governance and Implementation
Session Chair	Ch.QS Indunil Seneviratne
Venue/Time	Tanzanite 2 / 09.00 AM - 10.30 AM
Virtual	Breakout Room - Session B

Time	Paper ID, Title and Author(s)
09.00 AM - 09.10 AM	S18120: Enhancing Circularity in Steel Structures Through Design for Deconstruction: Information Needs <i>K. Guruge, K.G.A.S. Waidyasekara, R.M. A.S. Manewa, H.S. Jayasena</i>
09.10 AM - 09.20 AM	S18110: Convergence of Circular Economy Strategies for Sustainable Timber Usage in Sri Lanka <i>T. Wijesinghe, Y.G. Sandanayake, J.K.D.D.T. Jayanetti, B.A.K.S. Perera</i>
09.20 AM - 09.30 AM	S18115: Legislation Provisions for Circular Economy Implementation in the Construction Industry in the Sri Lankan Jurisdiction <i>M.D.T.E. Abeynayake, B.A.K.S. Perera, T.B. Abeysekara, P. Mahanamahewa</i>
09.30 AM - 09.40 AM	S18132: Role of Regulations and Governance in the Circular Economy for Construction: A Comparative Analysis <i>S.M.S.S. Attanayaka, I.E. Illeperuma, M.D.T.E. Abeynayake</i>
09.40 AM - 09.50 AM	S18138: Stakeholder Influence and Roles on Circular Economy Adoption in the Sri Lankan Construction Industry <i>H.D.T Jayasinghe, D.N Abenayake, V. Aathithan</i>
09.50 AM - 10.00 AM	S18163: Cost Impacts of Circular Applications to Construction Activities: A Case of Sri Lanka <i>M.A.A. Udayangani, T.Ramachandra, S. Piranavan</i>
10.00 AM - 10.30 AM	Q&A

Session Coordinator: Mr. Heshan Bandara

SATURDAY, 11 JULY 2026

SESSION 3C

Theme	Procurement in Construction
Session Chair	Dr. Dilani Abeynayake
Venue/Time	Aquamarine 1 / 09.00 AM - 10.20 AM
Virtual	Breakout Room - Session C

Time	Paper ID, Title and Author(s)
09.00 AM - 09.10 AM	S18059: Beyond Functionality: The Gap Between Materiality and Compensatory Expectations in Eprocurement <i>Y.K. Delpachitra, H.S. Jayasena, C. Wijekoon</i>
09.10 AM - 09.20 AM	S18126: Identifying Corruption Risks in Public Construction Procurement: A Stage-ased Framework Aligned with the RIBA Plan of Work <i>M.M.H. Chanuka, P.L.I. Wimalaratne</i>
09.20 AM - 09.30 AM	S18135: Identifying Factors Influencing Construction Material Procurement Performance Through Latent Dirichlet Allocation Analysis <i>H.H.A.P. Hemantha, K.G.A.S. Waidyasekara, D.N.L.S Uduwage</i>
09.30 AM - 09.40 AM	S18079: Barriers To Smart Procurement Implementation in the Sri Lankan Construction Sector: An Empirical Investigation <i>G.C.K. Wijayawardhana, K. Thiruchelvam, D.N.L.S Uduwage</i>
09.40 AM - 09.50 AM	S18169: Exploring Cost Estimation Accuracy and Its Implications for Cost Overruns and Delays in Small-Scale Construction Projects: Evidence from Sri Lanka <i>J.W. Mesthrige, L.H.U.W. Abeydeera, T. Maqsood, G.G.N Chandani</i>
09.50 AM - 10.20 AM	Q&A

Session Coordinator: Mr. Maneesha Ranasinghe

SATURDAY, 11 JULY 2026

SESSION 3D

Theme	Construction Costing & Tendering
Session Chairs	Snr. Prof. Kanchana Perera
Venue/Time	Aquamarine 2 / 09.00 AM - 10.30 AM
Virtual	Breakout Room - Session D

Time	Paper ID, Title and Author(s)
09.00 AM - 09.10 AM	S18097: A Systematic Review to Investigate the Root Causes for variations in Infrastructure Developments <i>E. Kithulgodage, U. Kulatunga</i>
09.10 AM - 09.20 AM	S18038: Factors Influencing the Probability of Winning a Bid in the Sri Lankan Construction Tendering Process <i>S. Sayanthan, K. Thiruchelvam, D.N.L.S. Uduwage</i>
09.20 AM - 09.30 AM	S18161: Critical Criteria Influencing the Selection of Bid Evaluation Mechanisms under the Most Economically Advantageous Tender (MEAT) <i>D.N.L.S. Uduwage, K. Thiruchelvam, H.H.A.P Hemantha, K. Panuwatwanich</i>
09.30 AM - 09.40 AM	S18046: Typological Synthesis of Cost Overrun Determinants in Road Construction Using “K-Means”: A Narrative Synthesis <i>K.N. Hettiarachchi, U. Kulatunga, D.N.L.S. Uduwage</i>
09.40 AM - 09.50 AM	S18142: Industry Readiness for Inflation Adjusted Data Driven Cost Estimation in Sri Lankan Construction Industry <i>H.M.S.P. Herath, K. Thiruchelvam, D.N.L.S. Uduwage</i>
09.50 AM - 10.00 AM	S18075: Assessment Of Material Wastage and Material Reconciliation Practices in Sri Lankan Road Construction Projects <i>G.H.D. Thamodhya, C. Handiwattage, H.D. Subhasingha</i>
10.00 AM - 10.30 AM	Q&A

Session Coordinator: Mr. Lakshitha Bandaranayake

SATURDAY, 11 JULY 2026

SESSION 3E (Hybrid)

Theme	Governance, Procurement and Construction Business Innovation
Session Chair	Prof. Thayaparan Gajendran and Dr. Navodana Rodrigo
Venue/Time	Jade / 09.00 AM - 10.40 AM
Virtual	Breakout Room - Session E

Time	Paper ID, Title and Author(s)
09.00 AM - 09.10 AM	S18003: Key Issues and Root Causes in Pre-project Property Selling: A Comparative Analysis Between Indonesia and Malaysia <i>S. Hansen, N. Shaqman, L. Darmiyanti</i>
09.10 AM - 09.20 AM	S18021: Statutory Good Faith as a Governance Tool: Reforming Infrastructure Delivery and Curbing Corruption in Africa <i>A. Aderibigbe, N. Umeokafor, Y. Upadhyay, T. Umar</i>
09.20 AM - 09.30 AM	S18032: Managing Foreign Labour in Malaysia's Construction Sector: Practices and Constraints <i>S. Sanmargaraja, A. Olanrewaju, M.A. Ali, H.C. Chu, S.C. Khor, V. Ponniah, G. Kanniyapan</i>
09.30 AM - 09.40 AM	S18036: From Strategy to Practice: Implementing Sustainable Procurement in Construction SMEs – A Systematic Review <i>A. Sivakumar, A. Staal, I. Piri</i>
09.40 AM - 09.50 AM	S18083: Mapping Infrastructure Finance Research in Africa's Built Environment: A Bibliometric Review <i>M.A. Ogungbe, C.O. Aigbavboa, A.E. Oke, M. Ikuabe, G.T. Aregbesola, T.V. Ogunade</i>
09.50 AM - 10.00 AM	S18168: Value Creation in the Construction Industry: A Scoping Review <i>P.Y. Weerakoon, M.K.C.S. Wijewickrama, A. Samaraweera, J.J. Ochoa</i>
10.00 AM - 10.10 AM	S18130: Reimagining Procurement for Domestic Construction Clients <i>P.J. Gamage, C. Hadiwattege</i>
10.10 AM - 10.40 AM	Q&A

Session Coordinator: Ch. QS. Dilshan Akalanka

SATURDAY, 11 JULY 2026

SESSION 4A

Theme	Sustainability Transitions in Construction
Session Chair	Dr. Sachie Gunathilaka
Venue/Time	Tanzanite 1 / 11.00 AM - 12.20 PM
Virtual	Breakout Room - Session A

Time	Paper ID, Title and Author(s)
11.00 AM - 11.10 AM	S18129: Theft and Vandalism in Infrastructure Construction-A Review of Sustainability Impacts <i>P.L.T.T. Thilakasiri, K.G.A.S. Waidyasekaraa, P.H.G.A. Ranasinghehe</i>
11.10 AM - 11.20 AM	S18006: Circular Economy Policy Framework for Promoting Sustainable Construction Practices in Sri Lankan Construction Industry; Stakeholder Perception <i>K. Karunarathna, S. Perera, C. Kalugala</i>
11.20 AM - 11.30 AM	S18106: Exploring Porcelain Tableware Waste as a Sustainable Material for Interior Construction in Sri Lanka <i>W.M.N.D.Ranasinghe, M. M. Samitha, R. Poovahiya</i>
11.30 AM - 11.40 AM	S18077: Prioritising Construction Procurement Decision Factors for Achieving Sustainable Development <i>K. D. S. De Abrew, H. Chandanie, P.H.G.M.A. Ranasinghe</i>
11.40 AM - 11.50 AM	S18160: Sustainability Impacts of Industry 4.0 In Construction Project Management <i>W.K.R. Prasadinee, C. Hadiwattege, N.B. Nanayakkara</i>
11.50 PM - 12.20 PM	Q&A

Session Coordinator: Ms. Anuki Kavirathne

SATURDAY, 11 JULY 2026

SESSION 4B

Theme	Construction Governance & Project Administration
Session Chair	Ch.QS Vijitha Disaratna
Venue/Time	Tanzanite 2 / 11.00 AM - 12.20 PM
Virtual	Breakout Room - Session B

Time	Paper ID, Title and Author(s)
11.00 AM - 11.10 AM	S18035: Understanding The Status Quo of Consultant Selection in Sri Lankan Public Construction Projects <i>S. Uthayakumar, K. Thiruchelvam, D.N.L.S. Uduwage</i>
11.10 AM - 11.20 AM	S18154: Withstanding Supply Chain Vulnerabilities in Off-Site Construction Logistics: A Narrative Review and 3D Visualisation <i>W.M D.Y. Sandaruwan, Y.G. Sandanayake, E.M.C. Ekanayake, G.A. Tennakoon</i>
11.20 AM - 11.30 AM	S18131: Adoption of Plain Language to Sri Lankan Construction Contracts: A Narrative Review <i>K. Thiruchelvam, D.N.L.S. Uduwage</i>
11.30 AM - 11.40 AM	S18139: Effectiveness of Tax Administration with Respect to the Construction Industry in Sri Lanka <i>R. Siriwardhana, N. Gunarathana, S. Vivek</i>
11.40 AM - 11.50 AM	S18069: A Bibliometric Analysis of Dynamic Organisational Capabilities and Hybrid Project Management Research in the Construction Industry <i>S.N. Perera, L.V.K. Jayatilake, U. Kulatunga</i>
11.50 PM - 12.20 PM	Q&A

Session Coordinator: Ms. Vithusha Aathithan

SATURDAY, 11 JULY 2026

SESSION 4C

Theme	Green implications in Built Environment
Session Chair	Mr. Mahesh Abeynayake
Venue/Time	Aquamarine 1 / 11.00 AM - 12.20 PM
Virtual	Breakout Room - Session C

Time	Paper ID, Title and Author(s)
11.00 AM - 11.10 AM	S18089: The Need for Reforming Green Rating Systems for Hospitals in Sri Lanka <i>H.W.A.G. Madhuwantha, P. Sridarran., M.N.U. Maddakandage</i>
11.10 AM - 11.20 AM	S18164: Enhancing Green Achievement: An Emphasis on Design Features <i>S.A.C. Kavindi, T. Ramachandra, B. Gheethanjali</i>
11.20 AM - 11.30 AM	S18092: Physicochemical Characterisation of Polyester and Nylon Synthetic Fibres as Potential Plant Growth Substrates for Green Roof Systems: A Preliminary Study <i>I.S. Hewage, H. K. P. Ruwanthika, R.K.N.P. Piyasena, T.A. Perera, A. Satharasinghe, A. Gunawardena, R.U. Halwatura</i>
11.30 AM - 11.40 AM	S18148: Barriers to Use of LeAgile Project Management for Stakeholder Collaboration in Green Building Constructions in Sri Lanka <i>H.V.D. Perera, B.A.K.S. Perera, M.M.N. Mannapperuma</i>
11.40 AM - 11.50 AM	S18054: Cognitive Framework for Lighting Design: Perceptions from Contemporary Sri Lankan Architects <i>L.P. Balapitiya, N.G.R. Perera</i>
11.50 PM - 12.20 PM	Q&A

Session Coordinator: Ch. QS. Dilshan Akalanka

SATURDAY, 11 JULY 2026

SESSION 4D

Theme	Research and Education in the Built Environment
Session Chairs	Prof. Menaha Thayaparan
Venue/Time	Aquamarine 2 / 11.00 AM - 12.20 PM
Virtual	Breakout Room - Session D

Time	Paper ID, Title and Author(s)
11.00 AM - 11.10 AM	S18070: Operationalising Community-Based Research Through Photovoice <i>W.S.D. Perera, U. Kulatunga, D. Ranasinghe, R. Mahamood, N. Kangana, C. De Silva</i>
11.10 AM - 11.20 AM	S18100: Reframing The Inclusive Classroom as a Designed Learning Environment: An Integrative Literature Review <i>A.I. Sewwandi, S. Samarawickrama</i>
11.20 AM - 11.30 AM	T18071: Digital System for Effective End-User Engagement in Higher Education Building Design <i>F.S. Nazeer, I. Kamardeen, A. Hasan</i>
11.30 AM - 11.40 AM	S18066: Academic Workload and Mental Wellbeing: Perspectives of First-Year Quantity Surveying students at higher education institutions in Sri Lanka <i>J.D.R.A. Jayakody, K. Thiruchelvam, D.N.L.S. Uduwage</i>
11.40 AM - 11.50 AM	S18170: A Scientometric Analysis of Construction Value Management Research: A 25-Year Review <i>L.H.U.W. Abeydeera, W.M. Jayantha, T. Maqsood, G.G.N Chandani</i>
11.50 PM - 12.20 PM	Q&A

Session Coordinator: Ms. Himasha Subhasingha

SATURDAY, 11 JULY 2026

SESSION 4E (Hybrid)

Theme	Capacity Building for a Regenerative Built Environment
Session Chairs	Dr. Gayani Karunasena
Venue/Time	Jade / 11.00 AM - 12.20 PM
Virtual	Breakout Room - Session E

Time	Paper ID, Title and Author(s)
11.00 AM - 11.10 AM	S18004: Relationship Model of Mindfulness Practice and Construction Workers' Performance: An Exploratory Study in Indonesia <i>S. Hansen</i>
11.10 AM - 11.20 AM	S18095: Distance Is No Barrier: Drivers of the Deployment of Remote Construction Management for Project Delivery in South Africa <i>M. Ikuabe, C. Aigbavboa, M. Ogungbe, T. Aregbesola, T. Ogunade</i>
11.20 AM - 11.30 AM	S18165: Enhancing High-performance Computing (HPC) Adoption in the Built Environment: A User-centred Approach to Inclusive Digital Innovation <i>T. Umar, K. Chun, J. Smith</i>
11.30 AM - 11.40 AM	S18147: International Students' Decision-Making and Learning Experience in Construction Management Coursework Master's Degree <i>B.L. Oo, R. Li, B.T.H. Lim</i>
11.40 AM - 11.50 AM	S18150: Integrating Life Cycle Assessment and Emissions Trading Scheme in the Australian Construction Sector: A Preliminary Study <i>P. Yang, B.T.H. Lim, B.L. Oo</i>
11.50 PM - 12.20 PM	Q&A

Session Coordinator: Mr. Kawshalya Sepalage

SATURDAY, 11 JULY 2026

SESSION 5A

Theme	Regenerative Design, Culture & Community-Based Built Environments
Session Chair	Dr Amruta Garud
Venue/Time	Tanzanite 1 / 01.30 PM - 2.50 PM
Virtual	Breakout Room - Session A

Time	Paper ID, Title and Author(s)
01.30 PM - 01.40 PM	S18018: Schoolyards As Built Infrastructure: A Feasibility Framework for Closing Environmental Education Implementation Gaps <i>E. Mendis, M. Thayaparan, D. Lellupitiya</i>
01.40 PM - 01.50 PM	S18028: Temporary Built Environments in Sri Lankan Film Production Design <i>S. Fernando, S. Samarawickrama</i>
01.50 PM - 02.00 PM	S18049: Landscape as a Signifier of Rural Social Class Inequality in Contemporary Sri Lankan Cinema: An Analytical Study of Three Selected Films <i>P.T. Kolamunna, U.G.D. Weerasinghe, S.M. Hirudini</i>
02.00 PM - 02.10 PM	S18051: Maritime Infrastructure Impacts on Marine Socio-Ecological Systems: A Literature Review <i>S.J.L. Madhushani, K.A.T.O. Ranadewa, B.A.K.S. Perera</i>
02.10 PM - 02.20 PM	S18072: Regional Identity and Regenerative Architecture: Reinterpreting Buddhist Philosophy in Contemporary Built Environments <i>G.R.K.A.G. Menike, K. Perera</i>
02.20 PM - 02.50 PM	Q&A

Session Coordinator: Mr. Maneesha Ranasinghe

SATURDAY, 11 JULY 2026

SESSION 5B

Theme	Construction Safety and Well-being
Session Chair	Dr. Uthpala Rathnayaka
Venue/Time	Tanzanite 2 / 01.30 PM - 2.40 PM
Virtual	Breakout Room - Session B

Time	Paper ID, Title and Author(s)
01.30 PM - 01.40 PM	S18001: The Financial and Social Implications of Construction Site Accidents in Sri Lanka <i>H.R. Fernando, U. Kulatunga, B. Gheethanjali, N. Gunawardhana</i>
01.40 PM - 01.50 PM	S18064: Artificial Intelligence (AI)-Powered Gesture Recognition for Occupational Safety Improvement in the Sri Lankan Construction Industry: A Conceptual Framework <i>R. Thathsara, H. Mallawaarachchi</i>
01.50 PM - 02.00 PM	S18156: Occupational Stressors among Sri Lankan Construction Professionals <i>S.D.N.B. Peiris, S. Gunatilake, I.W.M.A.D. Ilangakoon</i>
02.00 PM - 02.10 PM	S18026: Remote Work for Female Professionals in Sri Lankan Construction Industry: Challenges and Expectations <i>Y.B.M.C.S. Kumarihami, K. Thiruchelvam, D.N.L.S. Uduwage</i>
02.10 PM - 02.40 PM	Q&A

Session Coordinator: Ms. Nawanjana Mannapperuma

SATURDAY, 11 JULY 2026

SESSION 5C

Theme	Climate Resilience & Disaster Risk Management
Session Chair	Dr. Kapila Devapriya
Venue/Time	Aquamarine 1 / 01.30 PM - 2.50 PM
Virtual	Breakout Room - Session C

Time	Paper ID, Title and Author(s)
01.30 PM - 01.40 PM	S18105: Microclimate Aware Urban Planning in Tropical Climates <i>J.S. Nimesha, U. Kulatunga, H.D. Subhasingha</i>
01.40 PM - 01.50 PM	S18155: Deep Learning-based Flood Mapping in Monsoon Climates Using SENTINEL-1 SAR <i>A. Bhattarai, R.K. Shiwakoti, D.N.L.S. Uduwage</i>
01.50 PM - 02.00 PM	S18166: What Enables Climate-responsive and Resource-efficient Office Buildings in a Small Island Developing State? A Stakeholder-weighted Readiness Gap Analysis <i>S.B. Nahullah, N. Fernando, M. Jowkar</i>
02.00 PM - 02.10 PM	S18152: Optimizing Community Participation in Post-Disaster Crisis Response: Evidence From the “Ditwah” Cyclone, Sri Lanka <i>J.A.C.D Jayalath, U. Kulatunga</i>
02.10 PM - 02.20 PM	S18137: Nature-based Solutions for Flood Mitigation: A Systematic Review of Evidence, Performance Mechanisms, and Implementation Conditions <i>R.V.A.D. Rahubadda, B. Ingirige, U. Kulatunga</i>
02.20 PM - 02.50 PM	Q&A

Session Coordinator: Ms. Himasha Subhasingha

SATURDAY, 11 JULY 2026

SESSION 5D

Theme	Nature-Inspired Approaches in Construction
Session Chairs	Dr. Nuwantha Uduwage
Venue/Time	Aquamarine 2 / 01.30 PM - 2.50 PM
Virtual	Breakout Room - Session D

Time	Paper ID, Title and Author(s)
01.30 PM - 01.40 PM	S18073: Exploring Multi-Level Biomimicry in Building Façade Construction <i>M.D.K.S. Bandara, U. Kulatunga, H.D. Subhasingha</i>
01.40 PM - 01.50 PM	S18080: Learning from Nature: Biomimicry Inspired Daylighting Design for Reducing Artificial Lighting in Urban Buildings <i>P.A.D.D.J. Weeranayaka, R.M.H.R Bandara, M. Thayaparan</i>
01.50 PM - 02.00 PM	S18123: Performance Indicators for Biomimicry-based Construction Materials and their Operationalization through Augmented Reality: A Systematic Literature Review <i>W.M.I.H. Wijesundara., U. Kulatunga, P.L.I. Wimalaratne</i>
02.00 PM - 02.10 PM	S18112: A Conceptual Biomimicry-Inspired Model for Enhancing Energy Efficiency in High-Rise Buildings in Sri Lanka. <i>S.B.N.S.W. De Silva, P. Sridarran, M.N.U. Maddakandage</i>
02.10 PM - 02.20 PM	S18107: Managing End-of-Life Impacts of Solar Photovoltaic Systems: A Sri Lankan Perspective <i>U. Jayanandana, G.A. Tennakoon, D. Kodituwakku, M. Chan</i>
02.20 PM - 02.50 PM	Q&A

Session Coordinator: Ms. Nishadi Nanayakkara

SATURDAY, 11 JULY 2026

SESSION 5E (Hybrid)

Theme	Sustainable Constructions and Climate-Responsive Designs
Session Chair	Associate Prof. Niluka Domingo
Venue/Time	Jade / 01.30 PM - 2.50 PM
Virtual	Breakout Room - Session E

Time	Paper ID, Title and Author(s)
01.30 PM - 01.40 PM	S18010: Smart Building Technologies in Qatar: Challenges and Opportunities for Sustainable Development <i>A.R. Rauff, R. Sofar</i>
01.40 PM - 01.50 PM	T18027: Evaluating the Thermal Performance of Various Vernacular Roofing Systems in Contemporary Buildings <i>T.S. Prakash, K. Murugkar</i>
01.50 PM - 02.00 PM	S18029: Conceptualising an Inclusive Compliance Approach to Sustain Energy Efficiency of New Single-Family Homes <i>N.D. Hulathdoowage, G. Karunasena, N. Udawatta, P. Harrington, C. Liu</i>
02.00 PM - 02.10 PM	S18005: Bridging the Gap: Professional Perceptions and Adoption of Mud Construction Techniques in Nigerian Urban Architecture <i>A.O. Comfort, G. Emmanuel</i>
02.10 PM - 02.20 PM	S18053: Microclimate-Driven Spatial Patterns for Adaptive Urban Design: Evidence from Kotahena, Sri Lanka <i>D. Kumar, N. Perera</i>
02.20 PM - 02.50 PM	Q&A

Session Coordinator: Mr. Heshan Bandara