ORAL PRESENTATIONS

27th September 2024

Technical Session I: Architecture

Chairperson	Assistant Prof. Jeeva Wijesundara School of Architecture, Sri Lanka Institute of Information Technology
0830 - 0835 Hrs	Introduction of the Chair
0835 - 0840 Hrs	Preliminary Remarks by the Chair
0840 - 0850 Hrs	The Impact of the Built Environment on Psychological Well-being of Battle Casualties in Sri Lankan Rehabilitation Centers BAKU Bangama, KDHJ Premarathna
0850 - 0900 Hrs	Potential to Utilize Digital Twin Technology in Conserving Cultural Heritage within the Built Environment of Sri Lanka KSKNJ Kudasinghe, WDBJ Jeewananda
0900 - 0910 Hrs	Application of Ecotourism Guidelines and Standards in Sri Lankan Resorts with Special Reference to Bolgoda Area M Jayasooriya, WAPS Kumara and KNK Pathirana
0910 - 0920 Hrs	Developing Pre-Cast Partition Wall Panels Using Mud- Concrete (MC) Technology HBGK Nayanjith, FR Arooz
0920 - 0940 Hrs	Question and Answer session
0940 - 0950 Hrs	Summing up by the Session Chair
0950 - 1020 Hrs	Refreshments

Technical Session II: Quantity Surveying

Chairperson	Prof. Anuradha Waidyasekara Faculty of Architecture, Department of Building Economics, University of Moratuwa, Sri Lanka
1020 - 1025 Hrs	Introduction of the Chair
1025 - 1030 Hrs	Preliminary Remarks by the Chair
1030 - 1040 Hrs	Investigating The Challenges of Software Adoption Among Quantity Surveyors in Sri Lanka NVOD Imarshana, WN Kawmudi
1040 -1050 Hrs	The Impact of Time, Cost, Quality Parameters on Value Engineering Application in Project Management Practices, Referencing to Post-Contract Stage DVH Dodangoda, WN Kawmudi
1050 – 1100 Hrs	Preparedness of Construction Stakeholders for the Adoption of E-Tendering in the Sri Lankan Building Construction Industry for the Public Sector MPY Silva, AARK Amarathunga and AH Lakmal
1100 - 1110 Hrs	A Study on the Applicability of Bim to Reduce Building Services Maintenance Costs of the Hotel Building Projects in Sri Lanka KAPBK Arachchi, IGWR Jayaweera, and AARK Amarathunga
1110 - 1130 Hrs	Question and Answer session
1130 - 1140 Hrs	Summing up by the Session Chair
1140 - 1330 Hrs	Lunch

Technical Session III: Spatial Sciences

Chairperson	Dr. T.N. Wickramaarachchi Senior Lecturer, Faculty of Engineering, University of Ruhuna
1330 - 1335 Hrs	Introduction of the Chair
1335 - 1340 Hrs	Preliminary Remarks by the Chair
1340 - 1350 Hrs	Assessment of the Accuracy and Precision of Deviations in Control Points through the Three-Point Resection Method PSHP Kumara, DS Munasinghe, R Jenan
1350 -1400 Hrs	Investigating the Accuracy of Object Detection in UAV Model Utilizing Neural Networks for Military Applications in Sri Lanka HAGVD Perera, KA Dinusha, KP Manuranga, and RKK Dilrukshi
1400 - 1410 Hrs	An Application of Terrestrial Laser Scanning for the Inventory of Archaeological Monuments for the Use of Architectural Aspects KNNB Kalugama, KP Manuranga, HD Asoka, and AR Rupasinghe
1410 - 1420 Hrs	The Analysis of Existing Land Ownership in Urban Development with Special Reference to Meda- Minuwangoda Grama Niladhari Division KAIS Kuruppu, CP Ranawaka, TGUP Perera, and AC Gunathilaka
1420 - 1440 Hrs	Question and Answer session

1440 – 1450 Hrs Summing up by the Session Chair

1450 – 1520 Hrs Refreshments

Technical Session IV: Industrial Quality Management

Chairperson	Prof. S. T. W. S. Yapa Professor, Faculty of Management Studies and Commerce, University of Sri Jayewardenepura
1520 - 1525 Hrs	Introduction of the Chair
1525 - 1530 Hrs	Preliminary Remarks by the Chair
1530 - 1540 Hrs	Ensuring the Quality of AI Integrated Smart Contracts in Sri Lankan Construction Industry DMNA Gunawardhana, SH Rodrigo, SD Jayasooriya and DB Karunarathna
1540 -1550 Hrs	Boosting Sri Lanka's Tea Exports: Applying Lean Six Sigma for Enhanced Quality MNS Rajapakshe
1550 - 1600 Hrs	Factors Contributing to Delays in Building Permit Issuance in the Colombo Municipal Council Area: An Administrative Perspective WMRT Wijesuriya, NB Sugathadasa, and WANM Weerasinghe
1600 - 1610 Hrs	Lean Six Sigma Practices in Small and Medium Enterprises: A Bibliometric Analysis WKD Ramese, SD Jayasooriya, AH Lakmal, MLNH Premarathna and MNR Wijetunga
1610 - 1630 Hrs	Question and Answer session
1630 - 1640 Hrs	Summing up by the Session Chair
1640 - 1710 Hrs	Refreshments

POSTER PRESENTATIONS

27th September 2024

Impact of Modern Technology on the Quality of Sustainable Construction in the Sri Lankan Construction Industry

PA Deemantha, SD Jayasooriya, AH Lakmal, and AGKMWS Atapattu

Applicability of Effective Claim Management Framework Under FIDIC 2017 Red Book in Sri Lankan Construction Industry

WB Kalpani, KPSPK Bandara, NANM Weerasinghe, and WDBJ Jeewananda

Interior Design Learners Memory Retention Enhancement through Virtual Reality

DW Kasun Gayantha, T Chandarasekara, MNR Wijethunge, UI Perera, HDS Asoka, and SD Jayasooriya

AI-Driven Innovations in Cost Estimation and Quality Control in Sri Lankan Construction Projects

LADCN Wijesinghe, SD Jayasooriya, and MKM Nilupulee

Analysis of Green Space Recovery of Post Forest Fire: A Case Study in Laggala, Wilgamuwa, Sri Lanka

DAPS Wasalathilaka, NV Wikramathilaka, CP Ranawaka, and TATP Bandara

Investigating the Reliability of Smartphone LiDAR for Outer Boundary Surveys

AMP Athukorala, WMIU Adikaram, KNNB Kalugama, and KP Manuranga

Harnessing Spatial Intelligence in adopting net zero energy building concept to the residential buildings in SL

GKE Perera, KSPK Bandara, NANM Weerasinghe, and WDBJ Jeewananda

The Impact of Architecture on the Healing Process of Pediatrics: A Case Study of Lady Ridgeway Hospital in Sri Lanka

MN Ranagala, KDHJ Premarathna

Local Climate Zone Mapping Using World Urban Database and Access Portal Tools: A Study of Colombo City

VGRG Gunasekara, DS Munasinghe

The Role of Professional Surveyors in the Emerging Trend of Building Information Modelling (BIM)

WKH Kalpitha, KGES Dias, KP Manuranga, and JMO Jayamanne

Analysis of Urban Green Spaces and Potential Expansion to Kandy city, Sri Lanka
TATP Bandara, NV Wickramathilaka, CD Iddagoda, and DAPS Wasalathilaka

Land Use Change and Its Impact on Urban Flooding: A Case Study on Kandy City Sudden Flood in December 2022

WMIU Adikaram, OJ Perera, and KP Manuranga

Spatial Modeling of Two-Dimensional Road Traffic Noise in Urban Zones: Case Study in Ratnapura Municipal Council

DMAPDissanayaka, NV Wickramathilaka, CP Ranawaka, HHKT Bandulasoma, and IR Shehal

An Analysis of Harbor Basin Bathymetry Using Satellite Imagery: A Case Study in Kirinda Fishery Harbor, Sri Lanka

SR Wijewardhane, GP Gunasinghe, KP Manuranga, and H Waligodapitiya

Examining the Impact of Elevation Mask on Atmospheric Delay Errors in GNSS Static Observations

PAMT Rupathung, JMO Jayamanne, and PAT Hansamal

Quality Assurance in Designing based Architectural Education and its Holistic Assessment in Sri Lanka

SMM Sanjunee, H Munasinghe, and FR Arooz