

DETAILED SESSION PLAN

Friday, 30 June 2017

Session 1A

Theme Project Financing, Investment and Procurement
Session Chair Dr. Sepani Senaratne
Venue/Time Salon Orchid – 01.30 pm – 03.15 pm

Time	Paper ID, Title and Author(s)
01.30 – 01.45 pm	S10010 - Special Purpose Vehicle (SPV) Model for Private Finance Initiatives for Large Scale Infrastructure Projects in Sri Lanka <i>B.A.S.W. Chandrarathna, Vijitha Disaratna, S.M.N. Anuruddika and N.N. Wimalasena</i>
01.45 – 02.00 pm	S10017 - Opportunities and Challenges Faced by the Sri Lankan Construction Companies in the Stock Market <i>S.M.W.L. Siriwardhana, Vijitha Disaratna, S.M.N. Anuruddika and N.N. Wimalasena</i>
02.00 – 02.15 pm	S10046 - Construction Industry Investment Challenges: Barriers for SME Expansion <i>Iniya Sriskandarajah and Chandanie Hadiwattege</i>
02.15 – 02.30 pm	S10063 - A Study on the Application of Economies of Scale in the Construction Industry: The Sri Lankan Perspective <i>Thanuja Ramachandra, Devindi Geekiyanage and Sajith Lakshan Perera</i>
02.30 – 02.45 pm	S10016 - Procurement System Selection Model for the Sri Lankan Construction Industry <i>R.A.C. Chanudha, Vijitha Disaratna, S.M.N. Anuruddika and M.R.M.F. Ariyachandra</i>
02.45 – 03.15 pm	Q&A

Session Coordinator : Mr. Udara Abeyadeera

Friday, 30 June 2017

Session 1B

Theme **Building Information Modelling**
Session Chair Prof. Andrew Ross
Venue/Time Salon Jasmine – 01.30 pm – 03.15 pm

Time	Paper ID, Title and Author(s)
01.30 – 01.45 pm	S10007 - Challenges of Transcending BIM Information from Design Phase to Real Time On-site Construction Phase <i>M.K.C.S. Wijewickrama, H.S. Jayasena and M.R.M.F. Ariyachandra</i>
01.45 – 02.00 pm	S10048 - BIM for Facilities Information Management <i>K.A.D.N.C. Wijekoon, Anupa Manewa and Andrew Ross</i>
02.00 – 02.15 pm	S10018 - Software Capabilities of Sri Lankan Architectural Professionals for BIM Adoption <i>E.K.A.S. Kumara, H.S. Jayasena and M.R.M.F. Ariyachandra</i>
02.15 – 02.30 pm	S10056 - IPD and BIM: Making Sense of Chaos? <i>Steve Rowlinson, Wei Lu, Koh Tas Yong and Dan Zhang</i>
02.30 – 02.45 pm	S10059 - Adaptability of Green BIM Technology for the Green Buildings in Sri Lanka <i>H.W.T.P. Rathnasiri, H.S. Jayasena and Nadun Madusanka</i>
02.45 – 03.15 pm	Q&A

Session Coordinator : Mr. Sadith Chinthaka

Friday, 30 June 2017

Session 1C

Theme Sustainable Systems and Technologies
Session Chair Prof. Lalith de Silva
Venue/Time VIP Lounge – 01.30 pm – 03.15 pm

Time	Paper ID, Title and Author(s)
01.30 – 01.45 pm	S10050 - Evaluating Innovative Technologies in Construction Industry: The Case of High Rise Buildings <i>M.M.C.D.B. Manathunga and K.G.A.S. Waidyasekara</i>
01.45 – 02.00 pm	S10037 - Applicability of Phase Change Materials (PCMs) for Peak Load Shifting of Air Conditioning and Mechanical Ventilation (ACMV) Systems of Office Buildings in Tropical Climates <i>M.A. Wijewardane, S.A. Figurado, M. Kajaharan, N.D.A.M. Weerasinghe and R.A.C.P. Ranasinghe</i>
02.00 – 02.15 pm	S10012 - Introduction of a Systematic Process for Building Control in Sri Lanka <i>W.N.L. Fernando, B.A.K.S. Perera and M.N.N. Rodrigo</i>
02.15 – 02.30 pm	S10029 - Design Process Standardisation for Building Projects in India <i>Mathew Joe, Vijayalaxmi Sahadevan and Koshy Varghese</i>
02.30 – 02.45 pm	S10013 - Embracing Adaptive Re-use of Buildings: The Case of Sri Lanka <i>G.D.R. De Silva, B.A.K.S. Perera and M.N.N. Rodrigo</i>
02.45 – 03.15 pm	Q&A

Session Coordinator : Ms. Navodana Rodrigo

Friday, 30 June 2017

Session 2A

Theme	Health and Safety in Construction Projects and Built Environment
Session Chair	Ch.QS. Suranga Jayasena
Venue/Time	Salon Orchid – 03.45 pm – 05.15 pm
Time	Paper ID, Title and Author(s)
03.45 – 04.00 pm	S10023 - Significant Management Practices Influencing the Occurrence of Workplace Injuries: The Case of Apparel Industry in Sri Lanka <i>K.A.R.D.G. Samarasingha and Harshini Mallawaarachchi</i>
04.00 – 04.15 pm	S10045 - Fire Safety in Residential Apartment Buildings for Low Income Residents in Sri Lanka <i>M.R. Fathima, A.M.N.M. Adikari and Nayanthara De Silva</i>
04.15 – 04.30 pm	S10040 - Investigation into Workplace Health and Safety Issues within the Australian Commercial Construction Industry's Migrant Workforce <i>Swapan Saha, Srinath Perera, Richard Murphy</i>
04.30 – 04.45 pm	S10062 - Reducing Accidents in Large Construction Projects in Sri Lanka <i>Muththu Mohamed Anfas, L.D. Indunil P. Seneviratne and L.H.U.W. Abeydeera</i>
04.45 – 05.15 pm	Q&A

Session Coordinator : Ms. Udara Ranasinghe

Friday, 30 June 2017

Session 2B

Theme Sustainable Construction and Assessment

Session Chair Dr. Nirodha Fernando

Venue/Time Salon Jasmine – 03.45 pm – 05.15 pm

Time

03.45 – 04.00 pm **S10049 - Challenges in Maintaining the Green Certification in Sri Lankan Hotel Sector**

N.H.M.W.W.C.P.K. Bandara, D.M.P.P. Dissanayake, Gayani Karunasena and Nadun Madusanka

04.00 – 04.15 pm **S10064 - Are Green Buildings Economically Sustainable? A LCC Approach**

Achini Shanika Weerasinghe and Thanuja Ramachandra

04.15 – 04.30 pm **S10005 - Assessing Sustainability of Road Projects in Sri Lanka**

H.N.M. Hapuarachchi and T.S. Jayawickrama

04.30 – 04.45 pm **S10027 - Involvement and Influence of Construction Professionals for Environmentally Sustainable Design Outcomes**

J.D.I. Darshani, S. Gunatilaka and N.N. Wimalasena

04.45 – 05.15 pm **Q&A**

Session Coordinator : Ms. Mathusha Fransis

Friday, 30 June 2017

Session 2C

Theme Risk and Disaster Management
Session Chair Dr. Anupa Manewa
Venue/Time VIP Lounge – 03.45 pm – 05.15 pm

Time	Paper ID, Title and Author(s)
03.45 – 04.00 pm	S10022 - Risk Management of Green Retrofitting Projects in Sri Lanka <i>Indeewari Ranawaka and Harshini Mallawaarachchi</i>
04.00 – 04.15 pm	S10061 - Through-Life Risk Management in Mega Projects <i>Anupa Manewa, Tafadzwa Muza, Mohan Siriwardena and Andrew Ross</i>
04.15 – 04.30 pm	S10019 - The Importance of Disaster Management and Impact of Natural Disasters on Hospitals <i>Seyed Payam Salamati Nia and Udayangani Kulatunga</i>
04.30 – 04.45 pm	S10054 - A Situational Paradigm on Flooding and Built Environment Interventions in the UK <i>T. Wigglesworth, O. Adeniyi, K. Ginige and J. Pearson</i>
04.45 – 05.15 pm	Q&A

Session Coordinator : Ms. Nethmin Pilanawithana

Saturday, 01 July 2017

Session 3A

Theme	Project Performance
Session Chair	Ch.QS Indunil Seneviratne
Venue/Time	Salon Orchid – 09.00 am – 10.30 am

Time	Paper ID, Title and Author(s)
09.00 – 09.15 am	S10031 - Strategies to Improve the Productivity of Site Level Building Contractors in Sri Lanka <i>Surangika Dadallage, Mahesh Abeynayake and Nethmin Pilanawithana</i>
09.15 – 09.30 am	S10039 - Promoting Flexible Workplace to Enhance Productivity of Office Worker <i>B.S. Jayathilaka, N.H.C. Manjula, Uthpala Rathnayake and D.M.P.P. Dissanayake</i>
09.30 – 09.45 am	S10058 - What Does Developing Lean Capacity Mean? <i>K.A.T.O. Ranadewa, Y.G. Sandanayake and Mohan Siriwardena</i>
09.45 – 10.00 am	S10021 - Key Reengineering Roles for the Successful Implementation of Business Process Reengineering Projects in Sri Lanka <i>M.F.F. Fasna, S. Gunatilake and Udara Ranasinghe</i>
10.00 – 10.30 am	Q&A

Session Coordinator : Ms. Devindi Geekiyanage

Saturday, 01 July 2017

Session 3B

Theme Facilities Management
Session Chair Dr. Nayantara De Siva
Venue/Time Salon Jasmine – 09.00 am – 10.30 am

Time	Paper ID, Title and Author(s)
09.00 – 09.15 am	S10008 - Work Stress of Facilities Managers in the Sri Lankan Context <i>G. Vishnupriya, Vijitha Disaratna, N.N. Wimalasena, R.P.N.P. Weerasinghe and Uthpala Rathnayake</i>
09.15 – 09.30 am	S10030 - Constrains in Integrating Facilities Manager in the Project Development Process in Construction Industry <i>L.H.U.W. Abeydeera, Gayani Karunasena and M.C.N. Hussain</i>
09.30 – 09.45 am	S10038 - Incorporating Facility Managers into the Design and Construction Phases to Enhance Building Performance <i>S. Thapothiny, S. Gunatilake and N.H.C. Manjula</i>
09.45 – 10.00 am	S10052 - Sustainable Facilities Management (SFM): A Review of Practices and Barriers <i>Nazeer Fathima Sabrina, Thanuja Ramachandra and S. Gunatilake</i>
10.00 – 10.30 am	Q&A

Session Coordinator : Ms. Biyanka Ekanayake

Saturday, 01 July 2017

Session 3C

Theme Construction Law and Dispute Resolution
Session Chair Ch.QS Kanchana Perera
Venue/Time VIP Lounge – 09.00 am – 10.30 am

Time	Paper ID, Title and Author(s)
09.00 – 09.15 am	S10060 - Revisiting Causes of Disputes: Perspectives of Project Participants, Phases of Project and Project Characteristics <i>Mathusha Francis, Thanuja Ramachandra and Srinath Perera</i>
09.15 – 09.30 am	S10014 - Gaps in Existing Apartment Ownership Law of Sri Lanka <i>K.D.M.S. Udayangani, Vijitha Disaratna, N.N. Wimalasena, Udara Ranasinghe and N.M. Pilanawithana</i>
09.30 – 09.45 am	S10051 - TRIZ-DR Model for Dispute Resolution in Construction Industry <i>P.T.N. Gunasekara, Y.G. Sandanayake and E.M.A.C. Ekanayake</i>
09.45 – 10.30 am	Q&A

Session Coordinator : Ms. Pavithra Ranasinghe

Saturday, 01 July 2017

Session 4A

Theme Infrastructure Project Delivery
Session Chair Dr. Mohan Siriwardena
Venue/Time Salon Orchid – 11.00 am – 12.30 pm

Time	Paper ID, Title and Author(s)
11.00 – 11.15 am	S10006 - Application of Client's Quantity Surveying Practices in the Power Sector in Sri Lanka <i>D.G. Melagoda and T.S. Jayawickrama</i>
11.15 – 11.30 am	S10015 - Comparison of Sustainable Materials for Railway Track Support Systems: A Literature Review <i>S. Senaratne, O. Mirza and T. Dekruif</i>
11.30 – 11.45 am	S10033 - Significant Factors Affecting Effectiveness of Community Based Organisations in Rural Water Supply Sector of Sri Lanka <i>M.D. Rathnayake, Mahesh Abeynayake and Sadith Chinthaka Vithanage</i>
11.45 – 12.00 noon	S10034 - Investigation into the Current Project Risk Management Practices within the Libyan Oil and Gas Industry <i>Raeif Elhoush and Udayangani Kulatunga</i>
12.00 – 12.30 pm	Q&A

Session Coordinator : Ms. Anushika Ekanayake

Saturday, 01 July 2017

Session 4B

Theme Culture and Attitudes
Session Chair Prof. Swapan Saha
Venue/Time Salon Jasmine – 11.00 am – 12.30 pm

Time	Paper ID, Title and Author(s)
11.00 – 11.15 am	S10035 - Computer Based Model to Change Occupational Safety & Health and Energy Management Attitudes of Occupants in the Garment Industry <i>A.D. Ratnasinghe, L.D. Indunil P. Seneviratne and Udara Ranasinghe</i>
11.15 – 11.30 am	S10055 - Nature of Existence of Public Sector Construction Project Culture: An Exploratory Case Study <i>Aparna Samaraweera, Sepani Senaratne and Y.G. Sandanayake</i>
11.30 – 11.45 am	S10053 - Alcohol Consumption Patterns of Construction Workers in Hong Kong <i>Steve Rowlinson, Yuzhong Shen and Tas Yong Koh</i>
11.45 – 12.00 noon	S10043 - Predicting Unsafe Behaviour of Construction Workers <i>N.H.C. Manjula and Nayanthara De Silva</i>
12.00 – 12.30 pm	Q&A

Session Coordinator : Ms. Nipuni Wimalasena

Saturday, 01 July 2017

Session 4C

Theme Carbon and Energy Management
Session Chair Dr. Kanchana Ginige
Venue/Time VIP Lounge – 11.00 am – 12.30 pm

Time	Paper ID, Title and Author(s)
11.00 – 11.15 am	S10028 - Ecological Footprint to Evaluate Environmental Sustainability of Apparel Sector Built Environments: The Sri Lankan Perspective <i>B.J. Ekanayake and Y.G. Sandanayake</i>
11.15 – 11.30 am	S10047 - Estimating Whole Life Cycle Carbon Emissions of Buildings: A Literature Review <i>R.A.G. Nawarathna, Nirodha Gayani Fernando and Srinath Perera</i>
11.30 – 11.45 am	S10057 - Carbon Hotspots of Office Buildings in the UK <i>Michele Victoria, Srinath Perera, Alan Davies</i>
11.45 – 12.00 noon	S10032 - Hybrid Renewable Energy as a Solution for Energy Crisis in Sri Lanka <i>K.S.L. Mendis, K.G.A.S. Waidyasekara and E.M.A.C. Ekanayake</i>
12.00 – 12.15 pm	S10044 - Use of Energy Retrofits to Reduce the Energy Demand of Existing Office Buildings <i>T.L.W. Karunaratne and Nayanthara De Silva</i>
12.15 – 12.30 pm	Q&A

Session Coordinator : Ms. Achini Weerasinghe