



General Sir John Kotelawala Defence University
Sri Lanka



PROGRAMME BOOK

11TH INTERNATIONAL RESEARCH CONFERENCE

Securing Professional Excellence through Collaboration

13th - 14th SEPTEMBER 2018



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PROGRAMME GUIDE

Day 1 : 13th September 2018

0730 - 0815 hrs	Registration
0815 - 0830 hrs	Arrival of the Chief Guest
0830 - 1045 hrs	Inaugural Session
1045 - 1100 hrs	Refreshments
1115 - 1300 hrs	Plenary Session Defence and Strategic Studies I
1300 - 1400 hrs	Lunch
1400 - 1600 hrs	Plenary Sessions Defence and Strategic Studies II, Engineering, Built Environment and Spatial Sciences, Computing, Medicine, Basic and Applied Sciences, Allied Health Sciences, Law, Management social sciences and Humanities
1600 - 1630 hrs	Refreshments
1630 - 1800 hrs	Evaluation of Poster Presentation
1800 - 1815 hrs	Announcement of the Poster Awards
1900 - 2100 hrs	Cocktail and Networking Session

PROGRAMME GUIDE

Day 2 : 14th September 2018

Oral Presentation Sessions

Defence and Strategic Studies, Engineering, Built Environment and Spatial Sciences, Computing, Medicine, Basic and Applied Sciences, Allied Health Sciences, Law, Management Social Sciences and Humanities

0830 - 1000 hrs	Session 1
1000 - 1030 hrs	Refreshments
1030 - 1200 hrs	Session 2
1200 - 1300 hrs	Lunch
1300 - 1430 hrs	Session 3
1430 - 1500 hrs	Refreshments
1500 - 1630 hrs	Session 4
1630 - 1645 hrs	Announcement of Best Oral Awards

INAUGURAL SESSION

Venue : Auditorium – Faculty of Graduate Studies (FGS)

0800 - 0845 hrs	Conference Registration
0845 - 0850 hrs	Arrival of Chief Guest
0850 - 0915 hrs	Inauguration
0915 - 0925 hrs	Welcome Address JJ Ranasinghe VSV, USP, psc, MSc (DS) Mgt Rear Admiral <i>Vice Chancellor, General Sir John Kotelawala Defence University</i>
0925 - 0935 hrs	Speech of the Chief Guest Kapila Waidyaratne PC <i>Honourable Secretary to the Ministry of Defence</i>
0935 - 0955 hrs	Keynote Speech Prof. Mohan Munasinghe <i>Professor of Sustainable Development, Sustainable Consumption Institute, University of Manchester, UK Founder Chairman of the Munasinghe Institute of Development, Sri Lanka</i>
0955 -1015 hrs	Guest Speech Dr Sarath D Gunapala <i>Solid-state Physicist and Senior Research Scientist, Jet Propulsion Laboratory, NASA, USA</i>
1015 - 1030 hrs	Awarding of Honorary Professorships
1030 - 1035 hrs	Vote of Thanks Dr Upali Rajapaksha <i>Conference Chair</i>
1035 - 1045 hrs	Group Portrait
1045 - 1100 hrs	Refreshments

Plenary
Session



DEFENCE AND STRATEGIC STUDIES - I

Plenary Session I: Securing Professional Excellence through Collaboration: Military Stakeholders' Approach to Security

Venue: Auditorium, Faculty of Graduate Studies

Chairperson	Mr HMGS Palihakkara, Former Foreign Secretary and Former Governor of the Northern Province
1110 - 1120 hrs	Introduction of the Chair
1120 - 1130 hrs	Preliminary Remarks and Introduction of Presenters by the Chair
1130 - 1145 hrs	Challenges for International Collaboration in Facing Unconventional Security Threats Dr Arvind Gupta, Former Deputy National Security Advisor and Secretary and Director, Vivekananda International Foundation, India
1145 - 1200 hrs	Military's Approach to Uphold National Security: Pakistan's Perspective Major General Muhammad Samrez Salik, HI (M), Director General, Institute for Strategic Studies, Research & Analysis, (ISSRA), National Defence University, Pakistan
1200 - 1215 hrs	Professionalism on the Battle Field and Beyond Mr Ravinatha Aryasinha, Additional Secretary, Economic Affairs and Trade, Ministry of Foreign Affairs
1215 - 1235 hrs	Question and Answer Session
1235 - 1240 hrs	Summing up by the Session Chair
1240 - 1350hrs	Lunch

DEFENCE AND STRATEGIC STUDIES - II

Plenary Session II: Securing Professional Excellence through Collaboration: Military Stakeholders' Approach to Security

Venue: Auditorium, Faculty of Graduate Studies

Chairperson	Professor Nayani Melegoda, Senior Professor in International Relations, Dean Faculty of Graduate Studies, University of Colombo
1400 - 1405 hrs	Introduction of the Chair
1405 - 1415 hrs	Preliminary Remarks and Introduction of Presenters by the Chair
1415 - 1430 hrs	Reconciliation between Two Koreas: Process and Prospect Prof Young Ho Kim, Director General, Research Institute for National Security Affairs, Korea National Defence University, Korea
1430 - 1445 hrs	The Role of <i>Bhinneka Tunggal Ika</i> in Strengthening Security System in Indonesia and the Challenges in the Future Air Vice Marshal Dr Tatan Kustana, M.Bus.,M.A., Vice Rector III, Cooperation and Inter Agencies Relations Indonesia Defence University, Indonesia
1445 - 1500 hrs	Re-Reading National Security from a Human Security Perspective Professor Emeritus Gamini Keerawella, Executive Director, Regional Center for Strategic Studies (RCSS)
1500 - 1515 hrs	Challenges of an Island Nation: The Case of Maldives Brigadier General Hamid Shafeeg, psc,ms, Director General of Operations and Training, Integrated Headquarters, Maldives National Defence Force and Deputy Director General of National Counter Terrorism Centre, Maldives
1515 - 1530 hrs	Defence Security and Peace: The Malaysian Experience Major General (MG) Dato' Abdul Rahim Bin Hj Mohd Yusuff (Retired), First Holder of the Leadership Chair, Leadership Chair Office, National Defence University, Malaysia
1530 - 1550 hrs	Question and Answer Session
1550 - 1555 hrs	Summing up by the Session Chair
1555 - 1615 hrs	Refreshments

ENGINEERING

Theme: Engineering Excellence through Collaborative Research and Innovation

Venue: FOE 6 - 1 – 6th Floor Faculty of Engineering

Chairperson	Prof Kapila Perera Vice Chancellor, University of Moratuwa
1400 - 1425 hrs	Airborne Measurement - Advanced Instrument Development Methods and Insight Prof Nicholas Lawson Professor in Aerodynamics and Airborne Measurement National Flying Laboratory Centre, Cranfield University, UK
1425 - 1450 hrs	Technical and Nontechnical Effects of Road Signing and Markings Dr Jayalath Edirisinghe Head & Senior Lecturer, Department of Civil Engineering University of Peradeniya, Sri Lanka
1450 - 1515 hrs	Engineering Research for a Better Country, Beyond the Seeing Eyes Prof Chandima Gomes Professor in Electrical Engineering Department of Electrical & Electronics Engineering, Faculty of Engineering University Putra Malaysia, Malaysia
1515 - 1540 hrs	Uplifting Quality of Living of Physically Weak Individuals: Role of Power Assist Robot Systems Prof Ruwan Gopura Head of the Department Department of Mechanical Engineering, University of Moratuwa, Sri Lanka
1540 - 1600 hrs	Summing up by the Chair
1600 - 1630 hrs	Refreshments
1630 - 1730 hrs	Evaluation of Poster Presentations

BUILT ENVIRONMENT AND SPATIAL SCIENCES

Theme: Ecumenopolis; Global Collaboration and Asian Renaissance

Venue: LT01 - 3rd Floor, Faculty of Medicine

Chairperson	Use of High Resolution and Accurate LiDAR Data for Understanding and Solving Problems of Urban Landscape Prof Bharat Lohani Department of Civil Engineering, IIT Kanpur, India
1400 -1405 hrs	Introduction of the Chair
1405 - 1425 hrs	Preliminary Remarks and Introduction of Presenters by the Chair
1425 - 1440 hrs	Energy Poverty of our Luxurious Buildings Dr Upendra Rajapaksha Head, Department of Architecture, University of Moratuwa, Sri Lanka
1440 - 1455 hrs	Ecumenopolis: Global Collaboration and Asian Renaissance; Quantity Surveyor's Role Prof Kanchana Perera Department of Quantity Surveying, Faculty of Architecture, University of Moratuwa, Sri Lanka
1455 - 1510 hrs	Evolution of the Geodetic Control Network of Sri Lanka Mr A Dissanayake Deputy Surveyor General, Geodetic Branch, Surveyor General Office, Colombo
1510 - 1525 hrs	Geospatial Technologies beyond Information Age Dr Thilantha Lakmal Dammalage Senior Lecturer, Faculty of Geomatics, Sabaragamuwa University of Sri Lanka
1525 - 1545 hrs	Summing up by the Chair
1545 - 1615 hrs	Refreshments
1615 - 1715 hrs	Evaluation of Poster Presentations

COMPUTING

Theme: Computing for Professional Excellence through Collaboration

Venue: LT 03 - 3rd Floor, Faculty of Medicine

Chairperson	Prof K Pulasinghe Professor - Faculty of Computing, General Sir John Kotelawala Defence University
1400 - 1425 hrs	Role of Data Science in Digital Transformation of Public Sector Prof Terrence Perera Assistant Dean, Academic Resources of Sheffield Hallam University, United Kingdom
1425 - 1450 hrs	Introducing STEM Education in State Schools Across Sri Lanka Prof Ashu Marasinghe The Parliament of Sri Lanka
1450 - 1515 hrs	Engineering High Performing Systems Dr Malith Jayasinghe Director of Platform Architecture, WSO2
1515 - 1540 hrs	Artificial Intelligence for National Development - Addressing Real World Problems Dr HL Premaratne Former Senior Lecturer, University of Colombo School of Computing
1540 - 1600 hrs	Summing up by the Chair
1600 - 1630 hrs	Refreshments
1630 - 1730 hrs	Evaluation of Poster Presentations

MEDICINE

Theme: Multi Professional Collaboration for Excellence in Health Care

Venue: Mini-Lecture Theatre, 4th Floor, Faculty of Medicine

Co-Chairpersons	<ol style="list-style-type: none"> 1. Snr Prof ND Warnasuriya Department of Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University 2. Snr Prof TR Weerasooriya Department of Pre Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University
1400 - 1410 hrs	<p>Address by the Guest of Honour Prof Suranjith L Seneviratne, Professional of Clinical Immunology, Royal Free Hospital and University College London, UK</p>
1410 - 1420 hrs	<p>Opening Remarks by the Chairpersons</p>
1420 - 1440 hrs	<p>Public Health Burden Caused by Zika Virus: Need for a Multi-Professional Approach Pro K Morita Professor of Virology, Nagasaki University, Japan</p>
1445 - 1505 hrs	<p>Translational Research from an Australasian Perspective Prof George Dias Professor in Clinical Anatomy and Biomaterials, Department of Anatomy, University of Otago, New Zealand</p>
1510 - 1530 hrs	<p>Malaria Elimination in Sri Lanka; A Successful Multi-Sector, Multi-Professional Collaboration Prof AR Wickramasinghe Snr Professor in Public Health, Faculty of Medicine, University of Kelaniya</p>
1535 - 1555 hrs	<p>Academic and Industry Collaboration to Spark Innovation for Real World Impact Dr Dee N Dao Associate, NYU Innovation Venture Fund New York, New York</p>

1600 - 1620 hrs	Collaborative Biomedical Device Development; Opportunities and Challenges for Sri Lanka Dr Pujitha Silva Senior Lecturer, Biomedical Engineering, Founding Director, Centre for Biomedical Innovation (CEBI), University of Moratuwa
1620 - 1630 hrs	Summing up by the Chair
1630 - 1700 hrs	Refreshments

ALLIED HEALTH SCIENCES

Theme: Implementing Multidisciplinary Research for Interdisciplinary Health Care

Venue: LL1 - 4th Floor, Faculty of Medicine

Chairperson	Snr Prof Susirith Mendis Senior Professor of Physiology, Department of Pre Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University
1400 - 1425 hrs	Multi-Modal Neuroimaging with MRI Dr Gordon Waiter Department of Radiology, Aberdeen Biomedical Imaging Center, Institute of Medical Sciences, University of Aberdeen, UK
1425 - 1450 hrs	Restraining Multi-Drug Resistant Bacteria through Medicinal Plants Prof BMR Bandara Department of Chemistry, Faculty of Science, University of Peradeniya, Sri Lanka
1450 - 1515 hrs	Current Trends in Medical Education Prof Madawa Chandratilake Department of Medical Education, Faculty of Medicine, University of Kelaniya, Sri Lanka
1515 - 1540 hrs	Developing Multidisciplinary Research for Diabetic Care: Lessons Learned Dr AATD Amarasekara Department of Allied Health Sciences, Faculty of Medical Sciences, University of Sri Jayewardenepura, Sri Lanka
1540 - 1610	A Journey of International Collaborations to Understand Dengue Infections Dr Aruna Dharshan De Silva Director - KDU CARE, Department of Paraclinical Sciences, General Sir John Kotelawala Defence University, Sri Lanka
1610 - 1630 hrs	Summing up by the Chair
1630 - 1700 hrs	Refreshments
1700 - 1800 hrs	Evaluation of Poster Presentations

LAW

Theme: Promoting Legal Professionalism through Multidisciplinary Application

Venue: Main Auditorium, Academic Building

Chairperson	Prof Camena Guneratne, Senior Lecturer, Department of Legal Studies, Faculty of Humanities and Social Sciences, Open University of Sri Lanka, Nawala
1400 -1420 hrs	Multidisciplinary Practices: Challenges and Opportunities for the Legal Profession Prof S Shanthakumar, Pro Vice Chancellor and Dean, School of Law, GD Goenka University, India
1420 -1440 hrs	The Need to Ensure Continuous Professional Development of Lawyers Mr Yasantha Kodagoda PC Additional Solicitor General, Attorney General's Department, Colombo
1440 -1500 hrs	Learning from Diverse Disciplines in Becoming Better Legal Practitioners: Learning from Painting Mr Jagath Gunawardane Attorney at Law, Senior Counsel
1500 -1520 hrs	Is International Law Really 'International'? Dr Kalana Senaratne, Senior Lecturer, Department of Law, Faculty of Arts, University of Peradeniya
1520 -1540 hrs	Summing up by the Chair
1540 -1615 hrs	Refreshments
1615 -1715 hrs	Evaluation of Poster Presentations

MANAGEMENT, SOCIAL SCIENCES & HUMANITIES

Theme: Collaboration for Professional Excellence in Management, Social Sciences & Humanities

Venue: Mini Auditorium, Academic Building

Chairperson	Prof Sarath Amunugama Professor in French, University of Kelaniya
1400 - 1425 hrs	Multidisciplinary Dimension within Collaboration to Reach Excellence in Professionalism Prof Sarath Amunugama Professor in French, University of Kelaniya
1425 - 1450 hrs	Collaboration for Professional Excellence in Management and in Social Sciences and Humanities Prof NS Cooray Professor in Economics, International University of Japan
1450 - 1515 hrs	Importance of "Literacy" for Managers and Entrepreneurs in the 21 st Century Prof HD Karunaratne Professor in Economics, University of Colombo
1515 - 1540 hrs	Whither Management Research? Reflections and Resolutions Prof Ajantha S Dharmasiri Director, Postgraduate Institute of Management
1540 - 1610 hrs	Corporate Strategy: the Way Forward Mr Udaya Indrarathne CEO / Sector Head -Leisure Softlogic Holdings PLC
1610 - 1625 hrs	Summing up by the Chair
1625 - 1650 hrs	Refreshments
1650 - 1750 hrs	Evaluation of Poster Presentations

Oral
Presentation



DEFENCE AND STRATEGIC STUDIES

Technical Session I: Contemporary Security Issues

Auditorium, Faculty of Graduate Studies

Chairperson	Major General Muhammad Samrez Salik, HI (M), Director General, Institute for Strategic Studies, Research & Analysis (ISSRA), National Defence University, Pakistan
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	Pirates of the Arabian Sea, Somali Piracy in the High Sea and its Challenges upon International Maritime Security BPA Amarasinghe and A Glazova
0855 - 0905 hrs	Sea Power of Island Nations in the 21 st Century: Challenges and Opportunities for Sri Lanka SACR Kulatunga
0910 - 0920 hrs	Cyber Security in the Modern World: An Analysis of Cyber Threats and Legal Framework in Three Asian Countries R Amarasinghe and MEP Ranmuthugala
0925 - 0935 hrs	Formulating of an Integrated Air Defence System as a Response to Contemporary Threats N Karunarathne, N Wanasinghe and D Karunarathne
0940 - 0950 hrs	A Study on "Aawa Gang": Measures to Overcome Future Threats to National Security of Sri Lanka KERL Fernando and R Fernando
0955 - 1010 hrs	Question and Answer Session
1015 - 1025 hrs	Summing up by the Chair
1030 - 1055 hrs	Refreshments

DEFENCE AND STRATEGIC STUDIES

Technical Session II: Conceptualizing Security

Venue: Auditorium, Faculty of Graduate Studies

Chairperson	Dr Arvind Gupta, Former Deputy National Security Advisor and Secretary, Director, Vivekananda International Foundation, India
1100 - 1105 hrs	Introduction of the Chair
1105 - 1110 hrs	Preliminary Remarks by the Chair
1110 - 1120 hrs	Understanding the Continuing Relevance of Carl von Clausewitz's Military Theory in Modern Warfare DN Attapattu and BPA Amarasinghe
1125 - 1135 hrs	Including Non-Nuclear Neighbours in the Global Nuclear Safety Regime S de Silva
1140 - 1150 hrs	An Analysis of the Evolution of the NATO from Collective Defence to Collective Security: With Special Reference to Barry Buzan's Theories on Security H Gallage
1155 - 1205 hrs	Resurgent Religion and the De-Secularisation of the State AY Wickramasinghe
1210 - 1225 hrs	Question and Answer Session
1230 - 1240 hrs	Summing up by the Chair
1245 - 1355 hrs	Lunch

DEFENCE AND STRATEGIC STUDIES

Technical Session III: Civil-Military Relations

Venue: Auditorium, Faculty of Graduate Studies

Chairperson	Air Vice Marshal Dr Tatan Kustana, Vice Rector III, Cooperation and Inter Agencies Relations, Indonesia Defence University, Indonesia
1400-1405 hrs	Introduction of the Chair
1405-1410 hrs	Preliminary Remarks by the Chair
1410-1420 hrs	Effects of Leadership Styles on Soldier's Turnover Intention of Sri Lanka Army EMMD Bandara and S Bogaswatta
1425-1435 hrs	Learning Styles of Military Learners AABDP Abewardhana, GWA Seneviratne and PPNV Kumara
1440-1450 hrs	An Exploratory Study on the Recruitment Process of Officer Cadets: A Review of Literature with Special Reference to Nepal and Sri Lanka S Thapa
1455-1505 hrs	Developing Life Coping Skills among Amputated Elderly War Veterans/ Differently Able War Heroes: A Review of Literature PK Waruwangodage and L Liyanage
1510-1525 hrs	Question and Answer Session
1530-1540 hrs	Summing up by the Chair
1545-1610 hrs	Refreshments

DEFENCE AND STRATEGIC STUDIES

Technical Session IV: Diplomacy and Foreign Policy

Venue: Auditorium, Faculty of Graduate Studies

Chairperson	Prof Young Ho Kim, Director General, Research Institute for National Security Affairs, KNDU (Korean National Defence University)
1620 - 1625 hrs	Introduction of the Chair
1625 - 1630 hrs	Preliminary Remarks by the Chair
1630 - 1640 hrs	Ecuador's Border Security Failures: An Analysis of the Institutional Characteristics of the Coordinating Bureau of Intelligence LYP Cobo
1645 - 1655 hrs	Countering Terrorism and Violent Extremist Propaganda in Sri Lanka through Strategic Communication A Fuard
1700 - 1710 hrs	Catalan Independence from the Perspective of International Law S Perera
1715 - 1725 hrs	Economic Diplomacy, Asian Century and Sri Lanka's Foreign Policy H Wijesinghe
1730 - 1745 hrs	Question and Answer Session
1750 - 1800 hrs	Summing up by the Chair

ENGINEERING

Session I: Aeronautical Engineering/ Mechanical Engineering

Venue: FOE 6-1, 6th Floor, Faculty of Engineering

Chairperson	Air Commodore LMSK Leelarathne Staff Officer General Engineering, Air Force Headquarters, Colombo
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	Method to Develop Novel Digital Video Surveillance Features to Enhance Home and Business Security Management C Erandith, RPC Erandith, and RL Dangalla
0850 - 0900 hrs	Development of a Budget Roof Fairing Using a CFD Analysis of Different Roof Fairing Shapes HD Wickramasinghe, WAIS Jayawardana, THDD Wijerathne, and SLMD Rangajeewa
0900 - 0910 hrs	Design and Development of a Flying Object for Inspection and Cleaning of Distribution Power Lines in Sri Lanka KKV Gunawardana, U Hemapala, and B Jayasekara
0910 - 0920 hrs	Impact of Human Factors on Airline Overall Maintenance Effectiveness: An Analysis of Major Aircraft Operators in Sri Lanka SH Munna, MA Hossain, KP Yapa and JI Abeygoonawardene
0920 - 0930 hrs	Optimal Crew Planning through Variable Capacity Assignment for Commercial Aircraft Flight Line Maintenance WTS Rodrigo
0930 - 0955 hrs	Question and Answer Session
0955 - 1005 hrs	Summing up by the Chair
1005 - 1030 hrs	Refreshments

ENGINEERING

Session II: Electrical Electronics & Telecommunications Engineering

Venue: FOE 6-1, 6th Floor, Faculty of Engineering

Chairperson	Prof JP Karunadasa Department of Electrical Engineering, University of Moratuwa
1030 - 1035 hrs	Introduction of the Chair
1035 - 1040 hrs	Preliminary Remarks by the Chair
1040 - 1050 hrs	Light Interface for 3D Hand Motional Gesture Recognition in Human Computer Interaction LP Kalansooriya and AMC Priyashantha
1050 - 1100 hrs	Early Warning System for Land Slides Using Wireless Sensor Networks DKP Perera, MKK Munasinghe, WMCM Rajakaruna, BGE Priyanwada and PN Karunanayaka
1100 - 1110 hrs	Low Cost Real Time Temperature Monitoring System for Concrete Using Wireless Sensors K Thiruvassagar, P Banugoban, P Vishnu, KJC Kumara and CSL Lewangamage
1110 - 1120 hrs	Investigate the Necessity of Use of Nuclear Power as an Energy Source in Sri Lanka with Special Concern on Present Nuclear Trend BARS Bamunusinghe
1120 - 1140 hrs	Question and Answer Session
1140 - 1150 hrs	Summing up by the Chair
1200 - 1300 hrs	Lunch

ENGINEERING

Session III: Biomedical Engineering

Venue: FOE 6-1, 6th Floor, Faculty of Engineering

Chairperson	Dr Sarath D Gunapala Director, Center for Infrared Photodetectors, Pasadana, CA, USA
1300 - 1305 hrs	Introduction of the Chair
1305 - 1310 hrs	Preliminary Remarks by the Chair
1310 - 1320 hrs	Smart Device for Close Monitoring in Elder Care SR Hewarajage, AMC Priyashantha, KN Rathugamage, MVPK Vithanage, and M Viththahan
1320 - 1330 hrs	Eigenfaces Based Face Recognition Device for Visually Impaired People R Dishanth, MTM Rihan, and Sthushan
1330 - 1340 hrs	Comparison on Virus Dynamics Models with Different Functional Responses Including Time Delays MKS Mendis, NS Rathnayaka, and DGSA Pradeep
1340 - 1350 hrs	A Computer-Based Analysis of Acoustic Properties of Sri Lankan Pirith Chants Using Voiced to Unvoiced Ratio and Probability Distribution Functions C Gunawardana and S Gamage
1350 - 1400 hrs	A Unit Cell Approach to Reduce Computational Time of Meshfree Based Plant Tissue Models PHK Gamage, AKCI Kodithuwakku, S Baduge and HCP Karunasena
1400 - 1410 hrs	Braille Blood Pressure Reader for Home Blood Pressure Measurement for Visually Challenged Individuals AS Warnakulasuriya, SD Karunarathna, and PCR Karunasekara
1410 - 1440 hrs	Question and Answer Session
1440 - 1450 hrs	Summing up by the Chair
1500 - 1530 hrs	Refreshments

ENGINEERING

Parallel Session I

Civil Engineering - Part A

Venue: FOE 4-2, 4th Floor, Faculty of Engineering

Chairperson	Prof Wasantha Mampearachchi Department of Civil Engineering, University of Moratuwa
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	Evaluating the Existing Conditions of Borupana Road and Identifying Measures to Reduce the Traffic Congestion BMN Mendis and TWKIM Dias
0850 - 0900 hrs	Factors Affecting Pedestrian Visibility at Night Time for Motor Cyclists HMIWB Herath and TWKIM Dias
0900 - 0910 hrs	Introducing a New Traffic Operational Strategy to Minimize Congestion on Galle Road: Dehiwala - Wellawatta KDP Damsara, WMGD Weerasekara, RMNT Sirisoma and TWKIM Dias
0910 - 0920 hrs	Feasibility Study for a Shuttle System on Kandawala Road from KDU to Galle Road TMNO Thennakoon and TWKIM Dias
0920 - 0940 hrs	Question and Answer Session
0940 - 0950 hrs	Summing up by the Chair
1000 - 1030 hrs	Refreshments

ENGINEERING

Parallel Session II Civil Engineering Part B

Venue: FOE 4-2, 4th Floor, Faculty of Engineering

Chairperson	Prof Jagath Manatunge Department of Civil Engineering, University of Moratuwa
1030 - 1035 hrs	Introduction of the Chair
1035 - 1040 hrs	Preliminary Remarks by the Chair
1040 - 1050 hrs	Characterization of Indoor and Outdoor Air Quality in Terms of Non-Methane Hydrocarbons of Sri Lanka GVL Subodhini, RNR Jayarathne, TANT Perera and GY Jayasinghe
1050 - 1100 hrs	Influence of Vertical Greeneries to Gain Marks in Green Rating Systems for Multi-Storied Buildings in Sri Lankan Context MCL Peiris, AH Lakmal and R Chandratilake
1100 - 1110 hrs	Seeking Professional Excellence in Water Management: Case Study on Trincomalee Water Supply Scheme EMPWME Werapitiya, MML Madurapperuma and AH Lakmal
1110 - 1120 hrs	Time-Series Analysis of Monthly Rainfall Data for the Nuwara Eliya District, Sri Lanka NM Udumulla, MGA K Madhubashini, NM Hakmanage, IM Sandaruwani, DDM Jayasundara and RMKT Rathnayaka
1120 - 1130 hrs	Use of Activated Carbon (AC) to Filter Wastewater to Treat Landfill Leachate NP Seneviratne and MB Samarakoon
1130 - 1155 hrs	Question and Answer Session
1155 - 1200 hrs	Summing up by the Chair
1205 - 1300 hrs	Lunch

BUILT ENVIRONMENT AND SPATIAL SCIENCES

Session I: Architecture

Venue: LT01 - 3rd Floor, Faculty of Medicine

Chairperson	Dr Upendra Rajapaksha Head, Department of Architecture, University of Moratuwa, Sri Lanka
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary Remarks by the Chair
0840 - 0855 hrs	Urban Vegetation Change and its Impact on Colombo City Temperature UHSLK Siriwardhana and TL Dammalage
0855 - 0910 hrs	Evaluation of Solar Potential by Domestic Building Typology T Mendis, KNK Pathirana and Malthi Rajapaksha
0910 - 0925 hrs	Evolution of the Sri Lankan Shophouse: Reconsidering Shophouses for Urban Areas KSKNJ Kudasinghe, HMLB Jayathilaka and SR Gunaratne
0925 - 0940 hrs	Impact of Recreational Parks on Social Interaction: A Study of the Factors Related to Interaction among Visitors with Special Reference to Selected Examples in Colombo District KDHJ Premarathna, BPPN Bulugahamulla and WAPS Kumara
0940 - 1000 hrs	Question and Answer Session
1000 - 1010 hrs	Summing up by the Chair
1010 - 1040 hrs	Refreshments

BUILT ENVIRONMENT AND SPATIAL SCIENCES

Session II: Quantity Surveying

Venue: LT01 - 3rd Floor, Faculty of Medicine

Chairperson	Dr Yasangika Sandanayake Department of Quantity Surveying, Faculty of Architecture, University of Moratuwa, Sri Lanka
1045 - 1050 hrs	Introduction of the Chair
1050 - 1055 hrs	Preliminary Remarks by the Chair
1055 - 1110 hrs	Application of GIS in Construction Management MDG Weerasinghe, AR Rupasinghe and SD Jayasooriya
1110 - 1125 hrs	Performance Assessment and Whole Life Cost Comparison of Selected Sustainable Building Components of ABC Green University K Anojan, YVTS Vitharana, RAR Ranasinghe, SD Jayasooriya , and SGS Karunanayake
1125 - 1140 hrs	Impact of Decision Making on the Credibility of Bill of Quantities (BOQ) RWMLK Randeniya, JKDR Rasangika, GS Wathuge, SSA Wijethunge, SD Jayasooriya, and SGS Karunanayake
1140 - 1155 hrs	Review of the Building Schedule of Rates (BSR) for Work Norms IMAN Illangakoon, AASM Amarasinghe, PAHDN Prathapasinghe, SD Jayasooriya and SGS Karunanayake
1155 - 1215 hrs	Question and Answer Session
1215 - 1225 hrs	Summing up by the Chair
1225 - 1330 hrs	Lunch

BUILT ENVIRONMENT AND SPATIAL SCIENCES

Session III: Spatial Sciences

Venue: LT01 - 3rd Floor, Faculty of Medicine

Chairperson	Mr A Dissanayake Deputy Surveyor General, Geodetic Branch, Surveyor General Office, Colombo
1330 - 1335 hrs	Introduction of the Chair
1335 - 1340 hrs	Preliminary Remarks by the Chair
1340 - 1355 hrs	Sea Level Prediction Model for Colombo Coastal Area Using Matlab Software KAIM Jayathilaka, JMI Karalliyadda, GP Gunasingheb and RGUI Meththananda
1355 - 1410 hrs	Volume Estimation for Highway Curves Using End-Area Rule GI Wanasinghe, KDM Gimhani, ND Ranasinghe and UGRL Udawatta
1410 - 1425 hrs	Comparative Study on Methods for 3D Modelling with Traditional Surveying Technique and Total Station Technique KP Dampegama, AMLK Abesinghe, KA Dinusha and R Vandebona
1425 - 1440 hrs	An Analysis of Land Use Suitability of a Selected Zone in Wattala Local Area Plan WDDP Withanage and CP Ranawaka
1440 - 1500 hrs	Question and Answer Session
1500 - 1510 hrs	Summing up by the Chair
1510 - 1530 hrs	Refreshments

BUILT ENVIRONMENT AND SPATIAL SCIENCES

Session IV: Multidisciplinary

Venue: LT01 - 3rd Floor, Faculty of Medicine

Chairperson	Prof Bharat Lohani Department of Civil Engineering, IIT Kanpur, India
1535 - 1540hrs	Introduction of the Chair
1540 - 1545 hrs	Preliminary Remarks by the Chair
1545 - 1600 hrs	A Review: Problems in Refurbishment Projects GDS Premachandra, Mathusha Francis and MKCS Wijewickrama
1600 - 1615 hrs	Strategies for Enhancing Research and Development Activities in the Sri Lankan Construction Industry B Ginigaddara, T Ramachandra and D Geekiyanage
1615 - 1630 hrs	Spatial Distribution of Floods in Mathara District; with Special Focus on 2003 and 2017 Flood Events MT Kumara, WDK Madushanka and SMAT de S Nandaseela
1630 - 1645 hrs	A Comparative Study on Anthropometric Measurement of Sri Lanka Defence Service (SL Army, SL Navy and SL Air Force) Male Soccer Teams GDSP Jayalath, S Jeganenthiran and GL Sajith Jayalal
1645 - 1705 hrs	Question and Answer Session
1705 - 1715 hrs	Summing up by the Chair

COMPUTING

Session I: Data Science to Achieve Organizational Excellence

Venue: LT 03, 3rd Floor, Faculty of Medicine

Chairperson	Prof Terrence Perera Assistant Dean - Planning & Resources , Faculty of Arts, Computing, Engineering & Sciences, Sheffield Hallam University , UK
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary Remarks by the Chair
0840 - 0855 hrs	Rice Yield Estimation Using Free Satellite And Field Data TL Dammalage and T Shanmugam
0855 - 0910hrs	Software for Complex Process Automation and Stakeholder Relationship: State-of-the-Art in Hydrogis Tool for Urban Flood Management. RMM Pradeep and NTS Wijesekera
0910 - 0925 hrs	New Customers Churn Prediction Model for Mobile Telecommunication Industry HI Arumawadu, LLG Chathuranga and RMKT Rathnayaka
0925 - 0940 hrs	Impact of Big Data and Political Microtargeting on Donald Trump's 2016 Presidential Campaign N Singh and A Wijegunawardhana
0940 - 0955 hrs	Predicting the Risk of Being a Diabetic Patient Using Statistical Analysis and Data Mining BPN Perera, BTGS Kumara and HACS Hapuarachchi
0955 - 1005 hrs	Question and Answer Session
1005 - 1015 hrs	Summing up by the Chair
1015 - 1030 hrs	Refreshments

COMPUTING

Session II: Optimal Thinking towards Intelligent Behavior

Venue: LT 03, 3rd Floor, Faculty of Medicine

Chairperson	Dr TGI Fernando Senior Lecturer, Department of Computer Science, University of Sri Jayewardenepura
1030 - 1035 hrs	Introduction of the Chair
1035 - 1040 hrs	Preliminary Remarks by the Chair
1040 - 1055 hrs	Parallel Queue Optimization through Computer Aided Simulation and Queueing Theory : A Case Study on Matta Canteen of Sabaragamuwa University S Anujan , K Banujan, MS Karunarithne and KPN Rukshan
1055 - 1110 hrs	Artificial Neural Network Based New Classification Methodology for identifying Kidney Disease Risk Levels KAA Chathurangi and RMKT Rathnayaka
1110 - 1125 hrs	A Machine Learning Based Solution for Finding Perfect Marital Partner BKTP Wickramasinghe, DU Vidanagama and N Wedasinghe
1125 - 1140 hrs	Cloud Based Power Consumption Estimation For Electric Vehicles PGHLR Fernando and PPNV Kumara
1140 - 1155 hrs	Water Intake Recognition System Based on Pressure Sensors and Bluetooth Technology MAJ Wjesequera and WPJ Pemarathne
1155 - 1210hrs	Method to Enhance Features of Biometrics Security Management and Fingerrint Identification Using Low-Quality Images RSW Arachchi and RL Dangalla
1210 - 1215 hrs	Question and Answer Session
1215 - 1220 hrs	Summing up by the Chair
1220 - 1310 hrs	Lunch

COMPUTING

Session III: Artificial Intelligence for Digital Collaboration

Venue: LT 03, 3rd Floor, Faculty of Medicine

Chairperson	Dr Menaka Ranasinghe Senior Lecturer, Department of Electrical and Computer Engineering, The Open University of Sri Lanka
1310 - 1315 hrs	Introduction of the Chair
1315 - 1320 hrs	Preliminary Remarks by the Chair
1320 - 1335 hrs	Knowledge Sharing System for Dental Extraction in order to Assist Dental Doctors and Assistants K Banujan and S Vasanthapriyan
1335 - 1350 hrs	Automated Prediction of Customer Hotspots to Taxi Drivers Using Clustering Techniques and Web Scraping SPDT Saranatha and PPNV Kumara
1350 - 1405 hrs	Image Processing based Automatic PELICON Crossing System KGK Chathumini, BTGS Kumara and HACS Hapuarachchi
1405 - 1420 hrs	A Novel Elliptic Curve Based Multi-Key Encryption Method for Multicasting Single Content with Access Control TMKK Jinasena, RGN Meegama and RB Marasinghe
1420 - 1435 hrs	Artificial Intelligence Approaches for Improved Adaptability in an Adaptive e-Learning Environment: A Review KG Hewa and PPNV Kumara
1435 - 1445 hrs	Question and Answer Session
1445 - 1455 hrs	Summing up by the Chair
1455 - 1510 hrs	Refreshments

COMPUTING

Session IV: Smart Solutions for Global Challenges

Venue: LT 03, 3rd Floor, Faculty of Medicine

Chairperson	Dr HL Premarathne Senior Lecturer, University of Colombo School of Computing
1510 - 1515 hrs	Introduction of the Chair
1515 - 1520 hrs	Preliminary Remarks by the Chair
1520 - 1535 hrs	Fostering Social Engineering Awareness: Proactive Model HAHV Halwatura, WGCI Priyadarshana and T Samarasinghe
1535 - 1550 hrs	Personalized Travel Spot Recommendation and Guidance System for Sri Lankan Tourists C Shiranthika, N Premakumara, JP Weerawarnakula, H Lakmal, S Fernando and S Sumathipala
1550 - 1605 hrs	Web, Mobile and Computer Accessibility: Issues Faced by the Sri Lankan Visually Impaired Community N Wedasinghe, NT Sirisoma and APR Wicramarachchi
1605 - 1620 hrs	GPS Based Safe Location Guiding Android Systems in Case of Tsunami RVC Tharanga and RMM Pradeep
1620 - 1635 hrs	Impact of Adoption of Homomorphic Encryption: Security Enhance Guideline for Sri Lankan Military System RMKDLB Abeykoon, RT Udara, GAD Ganepola, WAAM Fernando, RPS Kathriarachchi and DU Vidanagama
1635 - 1650 hrs	An Efficient Web Enabled Automatic Emergency Medical Assistance System Using Android UDVA De Silva, HRWP Gunathilaka and N Wedasinghe
1650 - 1700 hrs	Question and Answer Session
1700 - 1710 hrs	Summing up by the Chair
1710 hrs onwards	Awarding Ceremony

MEDICINE

Session I:

Venue: Mini-Lecture Theatre, 4th Floor, Faculty of Medicine

Date: 14th September 2018

Chairpersons	<p>1. Snr Prof SR De Alwis Seneviratne Department of Para Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University</p> <p>2. Snr Prof MHR Sheriff Department of Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University</p>
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	<p>The Antibiotic Susceptibility Pattern of Bacteria Isolated from Urine of Cancer Patients MFF Rayana, RVMR Ranasundara, PBV Navarathne, SD Medis and SP Gunasekara</p>
0855 - 0905 hrs	<p>Declining Renal Functions among Fishing and Sugarcane Farming Communities: Implications on Chronic Kidney Disease of Unknown Etiology (CKDu) in Sri Lanka EMDV Ekanayake, WAKGThakshila, SS Jayasinghe, EPS Chandana, CS Jayasumana, SH Siribaddana and P Mangala CS De Silva</p>
0910 - 0920 hrs	<p>Association between Health Related Quality of Life and (HRQoL) and Five Health Related Parameters in Patients with Chronic Obstructive Pulmonary Disease (COPD) GGN Dulanjanie, RSP Fernando, HDT Perera, II Vidanagamachchi, RTG Wickramanayake, MDC Silva and RANK Wijesinghe</p>
0925 - 0935 hrs	<p>Determination of the Association of BMI and WC with HbA1c Level of Patients Diagnosed as Type 2 DM, Who Attended to Clinics at NDC, Sri Lanka, 2017 PMC Dhananjani, GASS Jayasundara, PKBH Panduwawala, CS Wijewardhana, BMY Madubhashini, KDLS Karunathilaka, DMNDSenevirathna and LS Kathriarachchi</p>
0940 - 0950 hrs	<p>Growth Status of Beta Thalaessemia Major Patients AMDS Karunaratna, JGS Ranasingha and RM Mudiyanse</p>
0955 - 1000 hrs	Question and Answer Session
1000 - 1005 hrs	Summing up by the Chair
1005 - 1030 hrs	Refreshments

MEDICINE

Session II:

Venue: Mini-Lecture Theatre, 4th Floor, Faculty of Medicine

Chairpersons	<p>1. Prof J Welihinda Department of Pre Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University</p> <p>2. Snr Prof AL Susirith Mendis Department of Pre Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University.</p>
1030 - 1035 hrs	Introduction of the Chair
1035 - 1040 hrs	Preliminary Remarks by the Chair
1040 - 1050 hrs	Prevalence, Severity and Risk Factors of Urogynecological Symptoms among Post-Menopausal Women – A Community Based Cross Sectional Survey RMSK Senevirathna, RHMPN Rathnayake and J Lenora
1055 - 1105 hrs	Antibiotic Susceptibility Pattern of Causative Organisms of Chronic Suppurative Otitis Media (CSOM) in a District General Hospital in Sri Lanka R Fernando, A Fernando, A Balasuriya, DA Nathaniel, KRS Silva, YHBA Yapa and JADRS Perera
1110 - 1120 hrs	A Descriptive Study on Consent Taking for Surgeries – An Operating Theater Experience WRP De Alwis, MI Muthuarachchi, HP Mylawaganam, PYAAN Kumarasinghe and DD Karunasagara
1125 - 1135 hrs	Lesions of Nasal Cavity, Paranasal Sinuses and Nasopharynx – An Analysis over 3 Years at a Tertiary Care Setting ASR De Alwis, WHR De Silva , HMS S De Silva and C Jayasuriya
1140 - 1145 hrs	Question and Answer Session
1145 - 1150 hrs	Summing up by the Chair
1150 - 1230 hrs	Evaluation of Poster Presentations
1150 - 1300 hrs	Lunch

MEDICINE

Session III:

Venue: Mini-Lecture Theatre, 4th Floor, Faculty of Medicine

Chairpersons	1 Prof W Abeywickrama Department of Para Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University
	2 Gp Capt (Dr) RANK Wijesinghe Department of Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University
1300 - 1305 hrs	Introduction of the Chair
1305 - 1310 hrs	Preliminary Remarks by the Chair
1310 - 1320 hrs	Associate Factors for Re-Admission of the Patients with Psychiatric Disorders in National Institute of Mental Health (NIMH), Sri Lanka GRRL Abesekara, BAAC Bamunusinghe, HMWS Herath, NAR Nettasinghe and AR Jayamaha
1325 - 1335 hrs	Characteristics of Male Illicit Drug Users in Rehabilitation Centres In Sri Lanka ILAN Darshana, CJ Wijesinghe and PV De Silva
1340 - 1350 hrs	Legitimate Ownership and 'Handling' of DNA Based Data in Sri Lanka P Herath
1355 - 1405 hrs	Low Self-Esteem in Delusional Disorder (Jealous Type) Patients MKOK De Silva, IH Rajapakse, M Rajasuriya and NFJ Fernando
1410 - 1420 hrs	The Knowledge, Attitudes and Practices of Search and Rescue Teams of Sri Lanka Army Regarding Search and Rescue as a Response to Disasters DYS Kumara and SN Semage
1420 - 1425 hrs	Question and Answer Session
1425 - 1430 hrs	Summing up by the Chair
1430 - 1500 hrs	Refreshments

MEDICINE

Session IV:

Venue: Mini-Lecture Theatre, 4th Floor, Faculty of Medicine

Chairpersons	1 Dr TMJ Munasinghe Department of Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University
	2 Prof Charitha L Goonasekara Department of Pre Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University
1500 - 1505 hrs	Introduction of the Chair
1505 - 1510 hrs	Preliminary Remarks by the Chair
1510 - 1520 hrs	An Epidemiological Study of Injuries in Female Taekwondo Athletes in Sri Lanka IPK Mahadua, K Kodikara, L Ranaweera
1525 - 1535 hrs	Knowledge and Proper Practice of Infection Control Methods among Healthcare Workers at A Military Hospital WMREB Wansooriya, BMP Liyanage, WACN Wijesooriya, AN Waseem, SK Wehella, NP Senanayake
1540 - 1550 hrs	Radiographic Analysis of the Ethmoid Roof Anatomy Based on Keros Classification in a Cohort of Sri Lankan Population K Jayasena, DMAH Dissanayake, DADG Daminda
1555 - 1605 hrs	Prediction of Leptospirosis Severity in Sri Lanka: A Time Series Approach HVS De Silva
1610 - 1615 hrs	Question and Answer Session
1615 - 1620 hrs	Summing up by the Chair
1620 - 1630 hrs	Announcement of Best Oral and Poster Awards

BASIC AND APPLIED SCIENCES

Session I: Natural Products

Venue: SDC Seminar Room, 5th Floor, Faculty of Medicine

Chairperson	Senior Professor RN Pathirana Senior Professor of Chemistry, Department of Basic Sciences, Faculty of Allied Health Sciences, General Sir John Kotelawala Defence University, Sri Lanka
0900 - 0910 hrs	Introduction of the Chair
0910 - 0920 hrs	Preliminary Remarks by the Chair
0920 - 0930 hrs	Characterization of Banana Pith as Electrolytic Media of a Bio-Battery Using Electrochemical Techniques CN Nupearachchi and VPS Perera
0930 - 0940 hrs	Solvent-Free Microwave Extraction of Essential Oil from Bark of <i>Cinnamomum zeylanicum</i> Blume RAGN Ranatunga, HDSM Perera, VS Bandara and R Samarasekara
0940 - 0950 hrs	Electrochemical Measurements of Composite Films Made from TiO ₂ and SiO ₂ Extracted from Rice Husk NF Ajward, JCN Rajendra and VPS Perera
0950 - 1000 hrs	The Extent of Inhibition of Lipid and Protein Oxidation by High Grown Green Tea and Black Tea (BOPF) <i>In Vitro</i> KAS Shehani Kuruppu, DIVD Gammune and SSSBD Preethi Soysa
1000 - 1015 hrs	Question and Answer Session
1015 - 1030 hrs	Summing up by the Chair
1030 - 1100 hrs	Refreshments

BASIC AND APPLIED SCIENCES

Session II: Multidisciplinary I

Venue: SDC Seminar Room, 5th Floor, Faculty of Medicine

Chairperson	Lt Col (Dr) A Balasuriya Head, Public Health and Family Medicine, Department of Paraclinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University, Sri Lanka
1100 - 1110 hrs	Introduction of the Chair
1110 - 1120 hrs	Preliminary Remarks by the Chair
1120 - 1130 hrs	In vitro Antioxidant Activity and α - Amylase Inhibitory Activity of Methanolic Extract of Sri Lankan Marine Brown Algae <i>Chnoospora minima</i> (Hering 1841) MDTL Gunathilaka, D Peiris, P Ranasinghe, KW Samarakoon and DAS Elvitigala
1130 - 1140 hrs	Design a Coaching Model to Enhance Track and Field Performance RMSR Kumara, S Jeganenthiran, Vasanthapriyan and GLS Jayalal
1140 - 1150 hrs	Acute Effect of Strength Resistance Exercises on Heart Rate Variability (Frequency Domain) in Physically Active Men MAS Udayanga
1150 - 1200 hrs	Evaluation of Inhibition of Prostaglandin E2 Level by <i>Psychotria sarmentosa</i> Leaves used in Traditional Porridge in Sri Lanka WMKM Ratnayake, TS Suresh, AM Abeysekera, N Salim and UG Chandrika
1200 - 1210 hrs	A Comparative Study on Anthropometric Measurement of Sri Lanka Defence Service (SL Army, SL Navy and SL Air Force) Male Soccer Team GDSP Jayalath, S Jeganenthiran and GL Sajith Jayalal
1210 - 1225 hrs	Question and Answer Session
1225 - 1235 hrs	Summing up by the Chair
1235 - 1330 hrs	Lunch

BASIC AND APPLIED SCIENCES

Session II: Multidisciplinary II

Venue: SDC Seminar Room, 5th Floor, Faculty of Medicine

Chairperson	Professor ECS Widyasekara Department of Radiography & Radiotherapy, Faculty of Allied Health Sciences, General Sir John Kotelawala Defence University, Sri Lanka
1330 - 1340 hrs	Introduction of the Chair
1340 - 1350 hrs	Preliminary Remarks by the Chair
1350 - 1400 hrs	Optimization of Carbon in Cathodes Made of $\text{Na}_2\text{MnSiO}_4$ to Enhance the Discharge Capacity of Sodium Ion Rechargeable Battery TN Alahakoon, VPS Perera, SSN Gamage and CH Manathunga
1400 - 1410 hrs	Design and Construction of a Low Cost Raman Microscope for Identification of Chemical Compounds JAC Dilrukshi and S Jayawardhana
1410 - 1420 hrs	In vitro Antioxidant, Anti-amylase, Anti-glycation Potentials and Mineral Elements of an Endangered Plant <i>Syzygium caryophyllatum</i> L. Alston (Sinhala: Heendan) HPT Wathsara, PI Godakumbura, HD Weerathunga and P Ranasinghe
1420 - 1430 hrs	Genetic Diversity of Exon 4 of Kappa-Casein (k-CSN3) Gene in Thamankaduwa White Cattle Compared with Jersey Cross and Friesian Breeds KWMUP Gunasekara, EMAGKK Ekanayaka, N Shanjayan, IPathirana and LGS Lokugalappatti
1430 - 1445 hrs	Question and Answer Session
1445 - 1500 hrs	Summing up by the Chair
1500 - 1530 hrs	Refreshments

ALLIED HEALTH SCIENCES

Parallel Session I: Nursing & Midwifery I

Venue: LL2 , 4th Floor, Faculty of Medicine

Chairperson	Lt Col (Dr) A Balasuriya Head - Public Health and Family Medicine, Department of Para Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University
0900 - 0905 hrs	Introduction of the Chair
0905 - 0910 hrs	Preliminary Remarks by the Chair
0910 - 0920 hrs	Risk Factors for Road Traffic Accidents among Drivers Admitted to Teaching Hospitals Kandy and Kurunegala in 2017 NWM Madhumali, HMT Bandaranayaka, GC Hashari, HKB Ayesha, RMKP Rathnayaka, IUM Vithana, PL Weerawardhana and JMKB Jayasekara
0920 - 0940 hrs	Validity and Reliability of the Multidimensional Scale of Perceived Social Support (MSPSS) in Cancer Patients EB Weeratunga, C Senadheera, M Hettiarchichi, U Ekanayaka, and B Perera
0940 - 0950 hrs	Exposure to Patient Related Violence against Nursing Officers in Different Units, in Teaching Hospital Karapitiya (THK) GD Punchihewa, NHDP Fonseka and SMRG Godawita
0950 - 1000 hrs	Knowledge, Attitude and Practices of Dietary Management among Ischemic Heart Disease (IHD) Patients ACH Perera and MB Samarawickrama
1000 - 1020 hrs	Question and Answer Session
1020 - 1030 hrs	Summing up by the Chair
1030 - 1100 hrs	Refreshments

ALLIED HEALTH SCIENCES

Parallel Session II: Nursing & Midwifery II

Venue: LL2 , 4th Floor, Faculty of Medicine

Chairperson	Grp Capt RANK Wijesinghe Head- Medicine, Department of Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University
1100 - 1105 hrs	Introduction of the Chair
1105 - 1110 hrs	Preliminary Remarks by the Chair
1110 - 1120 hrs	Awareness Regarding Early Detection Techniques of Breast Cancer and Knowledge Regarding Signs and Symptoms of Breast Cancer: Comparative Study between Breast Cancer Patients of Apeksha Hospital and Women Who Attended Clinics, Piliyandala MOH PMC Dinesha, RAND Ranaweera, PWDN Weerasinghe, CAK Pathirage, KMDN Senarathna, GAGMS Ariyasena, HSMSK Wijesiri and KASJ Balawardane
1120 - 1130 hrs	Knowledge and Understanding of the Weight for Age Chart in the Child Health Development Record among Mothers of Infants over Six Months in Piliyandala MOH Area MDVC Lakshan, RMIN Rathnayake, SCJ Wijewardhana, WMKS Bandara, AKDC Wijesinghe, MN Priyadarshanie and GDI Rodrigo
1130 - 1140 hrs	Physical Activity and Prevalence of Obesity among Adolescents in Kurunegala District JASD Bandara, AMGCP Adikari and S Weerasinghe
1140 - 1150 hrs	Government Bankers Lead a Sedentary Life Style with Tendency for Physical Inactivity: Myth or a Fact KMD Nadeeshani1, WS Kaushalya, ARC Tharindulatha, MDDM Munasinghe, J Nadeeshani, NB Kalpage, PTR Makuloluwa and HMP Herath
1150 - 1200 hrs	Nurses' Perspective on Leadership Qualities of Nurse Managers NAS Nishshanka, EAC Gayathri , SAMP Kumari, RPGSS Lakmali, KA Sriyani and ASPL Senadheera
1200 - 1220 hrs	Question and Answer Session
1220 - 1230 hrs	Summing up by the Chair
1230 - 1330 hrs	Lunch

ALLIED HEALTH SCIENCES

Session I: Radiography & Radiotherapy

Venue: LL1 , 4th Floor, Faculty of Medicine

Chairperson	Dr JMC Udugama Consultant in Nuclear Medicine, Head - Nuclear Medicine Unit, Lanka Hospital
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	Evaluation of Axillary Dose of the Cardiologist during the Coronary Angiography (CA) and Percutaneous Transluminal Coronary Angioplasty (PTCA) Procedures: A Cath Lab Study AL Abeyweera, HMTD Herath, WHNH Indralal, P Sathyathas and J Jeyasugiththan
0850 - 0900 hrs	Evaluation of Average Glandular Dose in Relation to Body Mass Index and Menopausal Status in Digital Breast Tomosynthesis SHDM Wickramarathna, DMSW Dissanayake, HS Niroshani and G Senanayake
0900 - 0910 hrs	Establishment of Diagnostic Reference Level (DRL) for Computed Tomography (CT) Examinations from Selected Hospitals in Sri Lanka WAD Gunathilake, HK Thenuwara, HMSS Wijebandara, P Sathyathas and UC Samarasinghe
0910 - 0920 hrs	Estimation of Radionuclide Activity of Bladder for Patients Undergoing Bone Scan MPGH Gunathilaka, NH Gunawardane, VGVI Gamage, LHMIM Herath and JMC Udugama
0920 - 0930 hrs	Assessment of Student Perceptions of the BSc Radiography Degree Programme at Faculty of Allied Health Sciences, University of Peradeniya, Sri Lanka DGSR Karunarathna, BS Weerakoon and MAJC Marasinghe
0930 - 0950 hrs	Question and Answer Session
0950 - 1000 hrs	Summing up by the Chair
1000 - 1030 hrs	Refreshments

ALLIED HEALTH SCIENCES

Session II: Pharmacy

Venue: LL1, 4th Floor, Faculty of Medicine

Chairperson	Snr Prof RN Pathirana Department of Basic Sciences, Faculty of Allied Health Sciences, General Sir John Kotelawala Defence University
1030 - 1035 hrs	Introduction of the Chair
1035 - 1040 hrs	Preliminary Remarks by the Chair
1040 - 1050 hrs	Metallothionein Responses in Relation to Disease Progression in CKD Affected People of Padaviya, Sri Lanka ARN Silva, KBS Gunawickrama, JMKB Jayasekara, GWGP Kumara, RH Karunaratna, AV Ranasingha, PGCL Nanayakkara, KIG Hewavitharana and SHNP Gunawickrama
1050 - 1100 hrs	Anti-Bacterial Activity of Aqueous and Methanolic Root Extracts of Medicinal Plant <i>Heteropogon contortus</i> RNN Gamage, KB Hasanthi, ARN Silva, WD Ratnasooriya, RN Pathirana and SK Hettihewa
1100 - 1110 hrs	Development of Metformin Hydrochloride Sustained Release Tablet V Ajeethan, DN Karunaratne, R Fernandopulle and S Fernando
1110 - 1120 hrs	<i>In-Vitro</i> Assessment of <i>Phyllanthus debilis</i> for Hepatoprotective Activity Against Damage Included by Paracetamol on HepG2 Cells D Perera, P Soysa and S Wijerathne
1120 - 1130 hrs	Formulation and Stability Evaluation of Tween® 20 Consisting Neem Oil Based Emulsion HHVKN De Silva, YNL Abeywardana, NA Sanjeevani, RN Pathirana and WD Ratnasooriya
1130 - 1155 hrs	Question and Answer Session
1155 - 1205 hrs	Summing up by the Chair
1205 - 1300 hrs	Lunch

ALLIED HEALTH SCIENCES

Session III: Physiotherapy & Occupational Health

Venue: LL1, 4th Floor, Faculty of Medicine

Chairperson	Dr GI Rodrigo Department of Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University
1300 - 1305 hrs	Introduction of the Chair
1305 - 1310 hrs	Preliminary Remarks by the Chair
1310 - 1320 hrs	Comparison of Hip Range of Motion (ROM) in Individuals with and without Low Back Pain (LBP) in National Hospital of Sri Lanka (NHSL) DUK Liyanaarachchi, DDTI Karunaratne, DAA Gamage, WL Dabarera, SADCS Senevirathna and N Kumarasinghe
1320 - 1330 hrs	Postural Control and Sensorimotor Functions in Older Adults with Diabetic Peripheral Neuropathy AH Wettasinghe, DWN Dissanayake, L Allet, MAHP Kumarasiri, P Katulanda and SR Lord
1330 - 1340 hrs	A Study on the Relationship between Collective Efficacy and Coaching Behaviour of Elite Female Volleyball Players in Sri Lanka UPN Kumari and KC Gunasekara
1340 - 1350 hrs	Current Respiratory Physiotherapy Practices among Physiotherapists for Patients Undergoing Coronary Artery Bypass Grafting (CABG) in Sri Lanka MDC Silva, P Atapattu, S Fernando and RANK Wijesinghe
1350 - 1400 hrs	Prevalence of Flatfoot and its Correlation with Age, Gender and BMI among Undergraduates at the Faculty of Allied Health Sciences, General Sir John Kotelawala Defence University, Sri Lanka KA Jayabandara, SADK Rodrigo, HKS Nadeeshan, C Wanniarachchi, RMAPI Rajathewa, PTR Makuloluwa and ADP Perera
1400 - 1425 hrs	Question and Answer Session
1425 - 1435 hrs	Summing up by the Chair
1435 - 1500 hrs	Refreshments

ALLIED HEALTH SCIENCES

Session IV: Medical Laboratory Sciences

Venue: LL1, 4th Floor, Faculty of Medicine

Chairperson	Snr Prof MH Rezvi Sheriff Department of Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University
1500 - 1505 hrs	Introduction of the Chair
1505 - 1510 hrs	Preliminary Remarks by the Chair
1510 - 1520 hrs	The Impact of Physical, Lifestyle and Occupational Factors for the Generation of Poor Semen Parameters of Males Attending Infertility Clinic, Castle Street Hospital, Colombo YL Gamage, HOTO Perera, UCP Ranasinghe, JMKB Jayasekara, WAC Karunarathna and M Batcha
1520 - 1530 hrs	Study of Initial Lysis to Investigate Osmotic Fragility in Erythrocytes of Chronic Myeloid Leukemia Patients Associated with Anemia N Wijayasiri, S Bandara, D Kottahachchi and Y Costa
1530 - 1540 hrs	Correlates of Heat Stress in CKD-Affected Regions of Sri Lanka DS Dulshika, ED Rajapakse, KB Jayasekara, PN Kulasooriya, KN Wijayasiri, P Bandara, LF Fried, A De Silva and SM Albert
1540 - 1550 hrs	Hematological Variations along Disease Progression in CKD Affected People of Girandurukotte and Mahiyanganaya, Sri Lanka KIG Hewavitharana, ARN Silva, GWGP Kumara, RH Karunarathna, AV Ranasingha, JMKB Jayasekara, PGCL Nanayakkara, KBS Gunawickrama and SHNP Gunawickrama
1550 - 1600 hrs	Interference of Bilirubin in Serum Creatinine Estimation by Jaffe Reaction and Creatinase Method RK Dissanayake, KKPT Ranaweera, AMB Priyadarshani and P Dias
1600 - 1610 hrs	Effect of Thermotolerant Bacteria on Shelf-Life of Milk and Improvement of Pasteurization Process WPCG Weerasinghe, S Hettiarachi and MPK Jayarathna
1610 - 1625 hrs	Question and Answer Session
1625 - 1635 hrs	Summing up by the Chair

LAW

Session I: Trade and Commerce with Prosperity and Justice

Venue: Main Auditorium, Academic Building

Chairperson	Dr Chamila Thalagala Member of the Australian Centre for Intellectual Property in Agriculture (ACIPA), Visiting Lecturer KDU
0900 - 0905 hrs	Introduction of the Chair
0905 - 0910 hrs	Preliminary Remarks by the Chair
0910 - 0920 hrs	Protection Afforded to Well-Known Trademarks in Sri Lanka: A Critical Analysis KAAN Thilakarathna
0920 - 0930 hrs	Legal Protection of Products Identified by Geographical Indications Having Weaker Link to the Origin LM De Silva
0930 - 0940 hrs	Beware if you are a 'Digital Consumer' – Intangible Digital Goods and Consumer Protection in Sri Lanka WAC Perera
0940 - 0950 hrs	Beyond 'More Economics-Based Approach': A Legal Perspective on Competition in Sri Lanka Dianarthy Suthakar
0950 - 1000 hrs	Protecting Consumer Rights in Electronic Contracts: A Lesson from European Union and United Kingdom BAR Ruwanthika Ariyaratna
1000 - 1020 hrs	Question and Answer Session
1020 - 1030 hrs	Summing up by the Chair
1030 - 1100 hrs	Refreshments

LAW

Session II: Together toward a 'Green ' and 'Clean' Society

Venue: Main Auditorium, Academic Building

Chairperson	Prof S Shanthakumar Pro Vice Chancellor and Dean School of Law, GD Goenka University India
1100 - 1105 hrs	Introduction of the Chair
1105 - 1110 hrs	Preliminary Remarks by the Chair
1110 - 1120 hrs	Majestic Giant, yet a Broken Spirit; Legal Protection of Captive Elephants in Sri Lanka HMMC Herath and WMASB Wijethunga
1120 - 1130 hrs	Corporate Responsibility for Environmental Protection with Reference to the Companies Act No 07 of 2007 YP Wijerathna and AA Edirisinghe
1130 - 1140 hrs	A Better Approach to Animal Welfare Law; a Critical Analysis of the Law on Prevention of Cruelty to Animals in Sri Lanka MH Pasqual
1140 - 1150 hrs	Pursuing a Better National Water Policy Endowed with Substantial Rights on Water: Case Study of Sri Lanka DP Aluthge
1150 - 1200 hrs	Applicability of the Defence of Act of God in Environmental Damage: A Critical Appraisal Udapadie Liyanage
1200 - 1220 hrs	Question and Answer Session
1220 - 1230 hrs	Summing up by the Chair
1230 - 1330 hrs	Lunch

LAW

Session III: Universalism Challenged? The Future of International Law

Venue: Main Auditorium, Academic Building

Chairperson	Mrs Wasantha Seneviratne Head of the Department, Department of Public and International Law, Faculty of Law, Deputy Director (Actg) Centre For the Study of Human Rights, University of Colombo
1330 - 1335 hrs	Introduction of the Chair
1335 - 1340 hrs	Preliminary Remarks by the Chair
1340 - 1350 hrs	Austrian Minds: Examining How Vienna Circle Influenced on Hans Kelsen's Notion of "Grundnorm" and 20th Century Legal Positivism Punsara Amarasinghe and Anastasia Glazova
1350 - 1400 hrs	The Space between Promises and Results: Thoughts on Regulating Use of Force by the UN Charuka Ekanayake
1400 - 1410 hrs	ILO's Decent Work Agenda and Sri Lanka: Teeth for Tiger BKM Jayasekara and NKK Mudalige
1410 - 1420 hrs	The Bitter Cookie: Right to Cyber Privacy in Sri Lanka vs the Misappropriation of Data Gathered Using Cookies Gananath Gunawardena
1420 - 1430 hrs	Governance of HIV in the Aviation Industry: Analysis of Multilateral Labour Rights Regimes Madara Ranmuthugala
1430 - 1450 hrs	Question and Answer Session
1450 - 1500 hrs	Summing up by the Chair
1500 - 1530 hrs	Refreshments

LAW

Session IV: Achieving Progressive Change: Social, Political and Gender Justice

Venue: Main Auditorium, Academic Building

Chairperson	Mrs Jeewa Niriella Senior Lecturer, Department of Public and International Law, Faculty of Law, University of Colombo
1530 - 1535 hrs	Introduction of the Chair
1535 - 1540 hrs	Preliminary Remarks by the Chair
1540 - 1550 hrs	The Effect of Stem Cells Research on One's Right to Life: Ethical and Legal Controversies in Domestic and International Arena BS Senanayake
1550 - 1600 hrs	Dilemma of Creating a Constructive Trust on Illegal Purpose SW Siriwardena
1600 - 1610 hrs	Analysis of International Instruments in Relation to Vessel Source Marine Pollution with Special Reference to Marine Pollution Prevention Act of Sri Lanka Samitha Thalakiriyawa
1610 - 1620 hrs	Power and Ideology of a Profession: A Critical Analysis of Role of Judiciary and Laws Delays in Sri Lanka SM Anuruddika G Senevirathne
1620 - 1630 hrs	Offence of Enforced Disappearance: Enhancing the Parameters of Criminal Law of Sri Lanka Ishara Kumudumalee Munasinghe
1630 - 1650 hrs	Question and Answer Session
1650 - 1700 hrs	Summing up by the Chair

MANAGEMENT, SOCIAL SCIENCES & HUMANITIES

Session I: Professional Excellence in Multi-Disciplinary
Fields of Management

Venue: 2CD Academic Building

Chairperson	Prof Neville Warnakulasuriya
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary Remarks by the Chair
0840 - 0855 hrs	Corporate Governance in Determining the Stock Price on Sri Lankan Colombo Stock Exchange PKCL Fernando and H Dissabandara
0855 - 0910 hrs	Impact of Multi-Sensory Brand Experience on Impulse Buying Tendency: With Special Reference to Super Markets in Sri Lanka BTK Chathuranga and VGP Lakshika
0910 - 0925 hrs	Forecasting Domestic Guest Nights in Ancient Cities of Sri Lanka: Hybrid Approach KMUB Konarasinghe
0925 - 0940 hrs	Factors affecting the Demand for Three Wheelers: Special Reference to the Perception of Passengers SL Madusanka, PWG Madhushani and DGND Jayarathna
0940 - 0955 hrs	Question and Answer Session
0955 - 1005 hrs	Summing up by the Chair
1005 - 1015 hrs	Refreshments

MANAGEMENT, SOCIAL SCIENCES & HUMANITIES

Session II: Professional Excellence in General Management

Venue: 2CD Academic Building

Chairperson	Prof Athula Ekanayake
1030 - 1035 hrs	Introduction of the Chair
1035 - 1040 hrs	Preliminary Remarks by the Chair
1040 - 1055 hrs	Assessing Service Quality Factors for Building a Loyal Customer in Life Insurance Industry HMDS Wijenayaka and DAM Perera
1055 - 1110 hrs	Middlemen on Coconut Price Behaviour in Sri Lanka KK Sogiusman and A Nanthakumaran
1110 - 1125 hrs	Study of Vulnerabilities and Capacities for Natural Coastal Hazards in Negombo, Sri Lanka MMSSM Fernando, KW Indika, and D Wickramasinghe
1125 - 1140 hrs	Influence of Antecedents on Consumer Attitudes towards Functional Food: Empirical Study in Sri Lanka RMKS Rasanjalee, and DSR Samarasinghe
1140 - 1155 hrs	Question and Answer Session
1155 - 1205 hrs	Summing up by the Chair
1205 - 1255 hrs	Lunch

MANAGEMENT, SOCIAL SCIENCES & HUMANITIES

Session III: Professional Excellence in Supply Chain Management

Venue: 2CD Academic Building

Chairperson	Prof Chandana Perera
1300 - 1305 hrs	Introduction of the Chair
1305 - 1310 hrs	Preliminary Remarks by the Chair
1310 - 1325 hrs	Analysis of Factors Affecting Passenger Satisfaction on Service Quality in Public Transportation in Sri Lanka CN Sooriyabandara and D Hewage
1325 - 1340 hrs	Automation of Sri Lanka's Downstream Petroleum Industry Supply Chain Management Operations Janak Dharmaprema and Varuna Gunasekara
1340 - 1355 hrs	Applying Six Sigma to Reduce the Lead Time of Service Process: A Study based on VISA Process at Air Ticketing Industry in Sri Lanka RASA Perera
1355 - 1410 hrs	An Intelligent Cost Optimized Central Warehouse and Redistribution Root Plan with Truck Allocation System in Colombo Region for Lion Brewery Ceylon PLC GADD Ganepola, DGND Jayarathna, and PWG Madhushani
1425 - 1440 hrs	Question and Answer Session
1440 - 1450 hrs	Summing up by the Chair
1450 - 1500 hrs	Refreshments

MANAGEMENT, SOCIAL SCIENCES & HUMANITIES

Session IV: Professional Excellence in Financial Management

Venue: 2CD Academic Building

Chairperson	Prof C Pathirawasam
1500 - 1505 hrs	Introduction of the Chair
1505 - 1510 hrs	Preliminary Remarks by the Chair
1510 - 1525 hrs	Governance and Performance of Microfinance Institutions in Sri Lanka Gunatthma Gunawardhena
1525 - 1540 hrs	Investment Decisions in Mega Projects: Bureaucracy and Accounting Controls: Preliminary Data Analysis RM Chathurani Ratnayake
1540 - 1555 hrs	Adoption of Management Accounting Practices by Public Institutions: The Sri Lankan Experience JK Padmasiri and Roshan Ajward
1555 - 1610 hrs	An Investigation of the Factors Affecting Exchange Rate Fluctuations: A Sri Lankan Experience in Recent Past RM Kapila Tharanga Rathnayaka and DMKN Seneviratna
1610 - 1625 hrs	Question and Answer Session
1625 - 1635 hrs	Summing up by the Chair
1640 - 1650 hrs	Refreshments

MANAGEMENT, SOCIAL SCIENCES & HUMANITIES

Parallel Session I: Professional Excellence in Human Resources Management

Venue: 2CF Academic Building

Chairperson	Prof Arosha S Adikaram
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary Remarks by the Chair
0840 - 0855 hrs	The Impact of Work-Life Balance on Employee Job Performance: A Study of an Offshore Operations Office of a Private UK Higher Education Institute Based in Sri Lanka Harini A Jayasinghe and Indika P Kaluarachchi
0855 - 0910 hrs	Organizational Electronic Knowledge Repository Use and Project Success in Sri Lankan Software Development Organizations NV Hettiarachchi and S Vasanthapriyan
0910 - 0925 hrs	Impact of Cross Culture on Employee Satisfaction of Employees of Nongovernmental Organisations in Sri Lanka TW Dasanayake
0925 - 0940 hrs	Optimizing the Allocation of Training Programmes to Maximize the Organizational Goals UHDBM Wickramaarachchi and A Wijayanayake
0940 - 0955 hrs	Question and Answer Session
0955 - 1005 hrs	Summing up by the Chair
1005 - 1015 hrs	Refreshments

MANAGEMENT, SOCIAL SCIENCES & HUMANITIES

Parallel Session II: Professional Excellence in General Management

Venue: 2CF Academic Building

Chairperson	Prof Lalitha S Fernando
1030 - 1035 hrs	Introduction of the Chair
1035 - 1040 hrs	Preliminary Remarks by the Chair
1040 - 1055 hrs	Entrepreneurial Orientation and Total Quality Management: Evidence from an Automobile Sensor Manufacturing Organization WRP Soysa
1055 - 1110 hrs	Factors Affecting Coach Leadership Behavioral Styles and Team Success: The Mediating Role of Coach Leadership Behaviour HPN Perera
1110 - 1125 hrs	Factors Influencing the Usage of Information and Communication Technology in SMEs in Balangoda Area UWCS Udawaththa and DMJ Wickramasinghe
1125 - 1140 hrs	Analysis of Knowledge Sharing Barriers in Sri Lankan Software Companies J Prabodha and S Vasanthapriyan
1140 - 1155 hrs	Question and Answer Session
1155 - 1205 hrs	Summing up by the Chair
1205 - 1300 hrs	Lunch

MANAGEMENT, SOCIAL SCIENCES & HUMANITIES

Parallel Session III: Professional Excellence in Logistics

Venue: 2CF Academic Building

Chairperson	Prof Saman Bandara
1300 - 1305 hrs	Introduction of the Chair
1305 - 1310 hrs	Preliminary Remarks by the Chair
1310 - 1325 hrs	A Mechanistic Probabilistic Model to Estimate Truck Operation Cost GKS Gedarawatta and AHS Sharic
1325 -1340 hrs	Potential Applicability of Just-In-Time to Improve Procurement Efficiency in Sri Lanka Navy RACN Rathnayake and UG Rajapakhsa
1240 -1355 hrs	Factors Affecting Warehouse Efficiency in Apparel Industry LY Erangi Priyamali and MRS Mudunkotuwa
1355 -1410 hrs	A Study on the Effect of Online System of Sri Lanka Customs on Shipping Lines' Satisfaction DASM Dissanayake and DR Ratnajeewa
1410 - 1425 hrs	Evaluation on Key Factors Affecting the Profitability of the Carrier Transportation Services for Automobiles: A Study Based on the Automobile Carrier Services from Hambanthota to Colombo in Sri Lanka. BATW Perera and WHAU Abeyrathne
1425 - 1440 hrs	Question and Answer Session
1440 - 1450 hrs	Summing up by the Chair
1450 - 1500 hrs	Refreshments

MANAGEMENT, SOCIAL SCIENCES & HUMANITIES

Session I: Collaboration for Professional Excellence in Social Sciences - Part 1

Venue: Mini Auditorium, Academic Building

Chairperson	Prof NS Cooray
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	Influence of Push and Pull Travel Motivational Factors on International Tourists Re-visit Intention to Galle Sri Lanka DS Kodithuwakku
0850 - 0900 hrs	A Study on Awareness of Cyber Security among Primary Teacher Trainees in Addalaichenai Government Primary Teachers' College AM Jazeel
0900 - 0910 hrs	Analysis of Determinant of the Paddy Production in Kantale Area in order to Determine the Effectiveness of Paddy Farming GTK de Silva
0910 - 0920 hrs	Traditional Techniques of Dyeing Textiles with Natural Dyes: A Case Study of Southern Province in Sri Lanka GM Ranathunga, PVM Karunarathne and DGK Dissanayaka
0920 - 0930 hrs	Influence of Social Media on Academic Performance of Advanced Level Students in Sri Lanka MAJR Dharmasekara and HN Gunasinghe
0930 - 0955hrs	Question and Answer Session
0955 - 1000hrs	Summing up by the Chair
1000 - 1030 hrs	Refreshments

MANAGEMENT, SOCIAL SCIENCES & HUMANITIES

Session II: Collaboration for Professional Excellence in Social Sciences - Part 2

Venue: Mini Auditorium, Academic Building

Chairperson	Prof Ramani Jayathilake
1030 - 1035 hrs	Introduction of the Chair
1035 - 1040 hrs	Preliminary Remarks by the Chair
1040 - 1050 hrs	Psycho-Social Factors Associated with Sri Lankan Women Seeking Employment in Middle East Countries as Housemaids HGI Amarabandu, and SD Kaththriarachchi
1050 - 1100 hrs	Buddhist Practices in Rehabilitating War-Affected Children: A Sociological Study of How Buddhist Practices Contribute to the Rehabilitation of War-affected Children in Sri Lanka Kumari Thoradeniya
1100 - 1110 hrs	Social and Psychological Dimensions of Queer Representations in Indian Cinema: An Interpretative Analysis Anee Bhattacharyya, and Kakoli Das
1110 - 1120hrs	Determinants of Moonlighting of Teaching Professionals in Sri Lanka SD Weerathunga and GRSRC Samaraweera
1120 - 1130hrs	Restrictions in Language Education towards Persons with Visual Impairments: A Study on Orthography of Written Sinhala Ridmi Handapangoda
1130 - 1155 hrs	Question and Answer Session
1155 - 1200 hrs	Summing up by the Chair
1200 - 1300 hrs	Lunch

MANAGEMENT, SOCIAL SCIENCES & HUMANITIES

Session III: Collaboration for Professional Excellence in Literary Studies

Venue: Mini Auditorium, Academic Building

Chairperson	Dr Shashikala Assella
1300 - 1305 hrs	Introduction of the Chair
1305 - 1310 hrs	Preliminary Remarks by the Chair
1310 - 1320 hrs	A Palimpsestuous Reading of Shehan Karunatilaka's <i>Chinaman</i> - Power Dynamics of the Palimpsest of Sri Lankan English Aparna Hettiarachchi
1320 - 1330 hrs	The Interdependence of Gender, Sexuality, Ethnic and Class Binaries in Shyam Selvadurai's <i>Funny Boy</i> and <i>Cinnamon Gardens</i> Oshanthaka Cabraal
1330 - 1340 hrs	The Symptom of Situational Consciousness in Third-World Literature: Exploring Salman Rushdie's <i>Midnight's Children</i> BDK Anandawansa and HAMA Hapugoda
1340 - 1350 hrs	Power and Displacement: En Route to Female Empowerment F Nuzla Nawaz
1350 - 1400 hrs	Question and Answer Session
1400 - 1425 hrs	Summing up by the Chair
1430 - 1500 hrs	Tea

MANAGEMENT, SOCIAL SCIENCES & HUMANITIES

Session IV: Collaboration for Professional Excellence in Language, Language Teaching and Learning

Venue: Mini Auditorium, Academic Building

Chairperson	Dr Sujeeva Sebastian Pereira
1500 - 1505 hrs	Introduction of the Chair
1505 - 1510 hrs	Preliminary Remarks by the Chair
1510 - 1520 hrs	Assessing the Composing Competency of Adult Second Language Learners Enhanced through Increased Self-Confidence during Portfolio Based Learning WSA Fernando
1520 - 1530 hrs	Quantitative Study on the Students' Perceptions on the Effectiveness of Using Group Work as a Teaching Strategy in Reducing Speaking Anxiety PN Gardihewa
1530 - 1540 hrs	Improving Oral Presentation Skills in Undergraduates through Constructive Criticism (as a Bi-Product of Scaffolding) MTN Wijetunge, WWWJT Weeraratna and VU Jayasinghe
1540 - 1550 hrs	Critical Review of Literature on Giving Corrective Feedback in TESOL Sessions Wimansha Abeyawickrama
1550 - 1600 hrs	The Need for Insider Perspective in Language Codification: A Study in Relation to Sri Lankan English Codification HVA Hettiarachchi
1600 - 1625 hrs	Question and Answer Session
1625 - 1630 hrs	Summing up by the Chair
1630 - 1700 hrs	Refreshments



ENGINEERING

Venue: FOE 6-1, 6th Floor, Faculty of Engineering

Novel Heating Sustainable Automated Two-Way Valve for Re-Utilization of Automobile or Fabric Industry Waste Heat

YAA Kumarayapa and JHWDB Jayathilake

Impact of Municipal Solid Waste Disposal on Soil and Water Quality: A Case Study from Muthurajawela Wetland

SM Wickramasinghe, SADSS Maheepala, RUK Piyadasa and GY Jayasinghe

Assessment of Physicochemical Parameters of Drinking Water Quality in Selected DS Divisions - Hambanthota District

AGL Chathuranga, TANT Perera, PMCS De Silva and GY Jayasinghe

Urbanization and Solid Waste Management Challenges a Review of Literature

SPR Dissanayake and H Premarathne

Redesigning the Kandawala Road to Improve the Flow of Traffic and Increase its Level of Service

HOC Vidyananda, MT Gunasekara, KCS Gunarathna and TWKIM Dias

Application of Construction Programme in Project Scheduling of Major Building Construction in Sri Lanka

MHM Azeem and MD Rathnayake

Greywater Treatment for Reusing in Bathrooms

TMWRMB Samarakoon, GVSS Vithanage and NM De A Abeysinghe

Sustainable Water Supply Management System for Army Cantonment Panagoda

EADP Edirisinghe and S Bogahawatte

Towards Sustainable Practices: Priorities Implementation for Challenges in Construction

S Vijayaragunathan

Upper Limb Motion Recognition Based on Electromyography Signals (EMG) and Support Vector Machine (SVM)

JMAD Jayasinghe and RL Dangalla

A Review on Ultrasound Image Pre-Processing, Segmentation and Compression for Enhanced Image Storage and Transmission

BRMGWUB Balagalla, SAAM Subasinghe and C De Alwis

Shipboard Vibration Data Analysis as an Effective Monitoring Tool in Computerized Maintenance Management System (CMMS) for Sri Lanka Navy

DMPM Dasanayaka and PABAR Perera

BUILT ENVIRONMENT AND SPATIAL SCIENCES

Venue: lobby Area 3rd Floor, Faculty of Medicine

Morphology of the Evolving Courtyard with Special Reference to Light House Hotel in Galle
SMM Sanjune and SR Guneratne

Impact of Traditional Space Planning on the Semi-Public Spaces of Contemporary Sri Lankan Houses
DWK Gayantha and DR Senarathna

Reducing the Concrete Waste while Optimizing the Cost, Time & Quality in Sri Lankan Construction Industry
BLSH Perera and AARK Amarathunga

COMPUTING

Venue: TL02, 3rd Floor, Faculty of Medicine

Adaptive Solution for Key Challenges in Internet of Medical Things
RMPHK Rathnayake and M Sajeewani Karunaratne

Analysis and Development of the Mess Management System for the KDU Cadet Mess
ODS Fonseka , RL Jayakody, PHP Arachchi and SCM de S Sirisuriya

Emergency Alert System for Reporting Crime Issues to Nearest Police Station
LC Wijenayaka and N Wedasinghe

An E-commerce Web Application for Agricultural Development in Sri Lanka
RL Jayakody, DMR Kulasekara and ADAI Gunasekara

Safe Accident Alert System for Reporting Accidents to Nearest Hospital and Police Station
GSA De Silva, SCM de S Sirisuriya and RMM Pradeep

A Software Solution for Image Identification and Artistic Skills for Visually Impaired People using Braille
ODS Fonseka and N Wedasinghe

A Review on Data Mining Techniques to Predict the Student Performance and Decision Making in Educational Institutions
KG Abeywickrama, WJ Samaraweera and CP Waduge

Data Security System for Chat Applications using Cryptography, Steganography and Image Processing
SC Mataraarachchi and N Wedasinghe

Workers' Alcohol Detection and Prevention System
KC Yakupitiya and HRWP Gunathilake

Fast and Accuracy Palm-Print Recognition System for Low-Quality Patterns
EAIL Edirisinghe and RL Dangalla

Smart Tea Leaves Disease Analyser: Mobile Based Disease Detecting and Solutions Providing System
VS Dahanayake, WJ Samaraweera and DMR Kulasekara

Hairstyle Recommendation Based on Face Shape using Image Processing
SV Rajapaksha and BTGS Kumara

Consistency in Multiplayer Online Game in Continuous Domain
HPAI Pathirana and RMCAB Rathnayaka

Requirements for an English-Sinhala Smart Bilingual Dictionary:A Review
L Samarawickrama and B Hettige

A Review of Mobile Technology for Teaching and Learning Mathematics
VO Galahitiyawa and RPS Kathriarchchi

Personalized Recommendation System for Leisure Time Activity using Social Media Data
M Ramashini, DP Jayathunga, A Gowthamy, N Rammiya and U Kiruthiga

Data Handling and Maintaining Data Consistency in Scalable Replicated Micro-services
WMNKGTL Weerakoon and Banage TGS Kumara

A Web Based Paperless Meeting Management System
MPL Perera and DU Vidanagama

The Rashomon Effect on Software Development Requirement Gathering Process
Indika de Silva, BMTN Rathnayaka and M Wickramatunga

IoT Based Falls Detection and Heart Attack Detection System for Adults: SMART Wearable
KKVS Anjana, RPS Kathriarachchi, and DMR Kulasekara

MEDICINE

Venue: Lobby Area, 5th Floor, Faculty of Medicine

Antioxidant and Anti-Inflammatory Potential of the Aqueous Extract of the Peel of a Sri Lankan Variety of *Nephelium lappaceum* Linn
UDHK Uduwela, SA Deraniyagala and G Thiripuranathar

A Rare Case of Maternal IgG Type Anti M Induced Hydrops Fetalis
S Kumarage, A Manthirathna, J Wickramarachchi and D Munasinghe

Cytotoxic Effect of Peel and Pericarp of Sri Lankan Pomegranate Fruit Delum (*Punica granatum* L.) and Comparison of Different Extraction Methods
UY Bandara, C Witharana and P Soysa

Clinical Patterns of Acute Radiation Dermatitis among Patients Attending Dermatology Outpatient Department at District Government Hospital of Gulbarag – A Study
Sharaneshwari N Reshmi

Factors Affecting the Prevalence of Diabetes Mellitus
LN Liyanage

Pesticide Use, Handling and Awareness among Rural Farmers in Sri Lanka: Implications on Emerging Chronic Kidney Disease of Uncertain Etiology (CKDu)
WAKG Thakshila, EMDV Ekanayake, KSM Abdul, MAGD Samanmali, SS Jayasinghe, CS Jayasumana, EPS Chandana, SH Siribaddana and PMCS De Silva

Service Related Factors Associated with Antenatal GDM Screening among Mothers Delivered at Secondary Care Hospitals in Matara District
GJ Chandana and CJ Wijesinghe

BASIC AND APPLIED SCIENCES

Venue: Lobby Area 5th Floor, Faculty of Medicine

Effectiveness of Plyometric Type Strength Training on Strength and Power Performance of Children Under Age of 10 to 12 Years

RS Wijerathna and S Jeganenthiran

Microbial Cellulases: The Potential Application in Dye Removal from Denim

SK Jayasekara, GDIS Karunarathna, CL Abayasekara, K LW Kumara, and RR Ratnayake

Associated Factors for Efficient Development of School Sports System for National Level Sports in Sri Lanka

BDLPN Biyanwila and HPN Perera

Spectrophotometric Determination of Nitrite Content in Four Brands of Chicken Sausages

R Somarathne, D Chilki, EG Somapala, V de Silva, and CS Udawatte

Applicability of *Allium cepa* Test to Assess the Degree of Phytoremediation of Soil Contaminated with Used Lubricating Oil by Using *Crotalaria retusa* L.

SS Walakulu Gamage, K Masakorala, MT Brown, and SMK Widana Gamage

In silico Study of the Binding Affinities of Acetylcholinesterase and Synthetically Viable Coumarin Analogs

M Afnan, CN Rathnaweera and CS Udawatte

ALLIED HEALTH SCIENCES

Venue: LL3, 4th Floor, Faculty of Medicine

Evaluation of *In-Vitro* Antibacterial Effect of *Lawsonia inermis* L.

Plant Against *Acinetobacter baumannii* and *Pseudomonas aeruginosa*

RARS Ranasinghe, KAU Jayawardena, ARN Silva, V Nawarathne and RGWDB Rajapaksha

Effectiveness of *Ushnodhakadhārā* in the Management of Psychological Stress

RP Liyanage, P Vitharana and SS Hettige

Knowledge and Practices Regarding Self-Medication of Antibiotics

and its' Effects among School Teachers in Biyagama Educational Division

D Punchihewa, H Madushanthi and J Nanayakkara

Anti-Inflammatory Activity of Aqueous Extracts of Flowers

and Stalks of *Aponogeton crispus* and *Aponogeton rigidifolius*

R. Sarveswaran, WJABN Jayasuriya and TS Suresh

The Relationship between Hip Abductor Muscle Strength and Iliotibial Band

Tightness in Patients with Chronic Low Back Pain Attending the Department

of Rheumatology and Rehabilitation of the National Hospital, Sri Lanka

NNH Gamage, MPH Wickrama, YP Satharasinghe, LBKM Silva, SA Thenuwara, SADCS Senavirathna, SHM De Silva and JMKB Jayasekara

The Relationship between Cognitive Function and Dual Task Gait Performance in People with a

Vestibular Disorder vs Adult Healthy Controls

APS Rathnayake and M Pavlov

Effects of Respiratory Muscle Training (RMT) on Respiratory Functions and Rowing Performances in Sri Lankan Rowers: A Randomized Control Study

ADP Perera, A Ariyasinghe, and A Kariyawasam

Awareness, Knowledge and Beliefs of Antenatal Exercises in Second Trimester

Pregnant Women Attending Castle Street Hospital for Women, Colombo 8, Sri Lanka

DMAK Dissanayake, HG Kaushika, MTN Madurapperuma, PDS Senarathne,

P Thulasithasan, SP Sukirthan and UDP Ratnasiri

The Effect of Storage Time of Citrated Whole Blood Specimens before Centrifugation on the Results of Coagulation Testing

MBVU Perera, GS Suranga, GUS Wijesekara and KS Pathirage

Isolation of Bacteriophage from Starter Cultures of Yoghurt and Formulation of a Phage-Resistant Starter Culture

WPCG Weerasinghe, S Hettiarachi and MPK Jayarathne

Is Laboratory Waste Handling Safe? A Local Study on Waste Management Practices in Five Histopathology Laboratories
A U Kiriwandeniya

Comparison Effectiveness of Five 'A' Plan for Quit Smoking of Sailors in Two Population Samples in Sri Lanka Navy
HDI Samarawickrama and SP Samarathunga

Prevalence of Immediate Acute and Chronic Diseases after Flood in May 2016 at Western Province, Sri Lanka
HDI Samarawickrama

An Assessment of Different Coping Strategies Used by Mothers of Children with Cancer in Apeksha Hospital, Maharagama
WMRN Padeniya, JPG Thushari, NBADH Nishshanka, KAC Shashika, MDH Munasinghe, DM Aberathne, PL Weerawardena, GLC Galgamuwa, N Kumarasinghe and L Liyanage

Incidence and Risk Factors of Injuries
HAKS Gunawardana, T Abegunasekara and RSJ Lenora

Awareness on Wound Cleaning and Dressing among Nursing Undergraduates in University of Peradeniya
TN Haththotuwa and WMCC Wijesundara

Prevalence of Memory Impairment among Older Adult Patients who are Attending University Medical Clinics in Teaching Hospital Karapitiya and its Effect on Treatment Adherence in Long-Term Follow-up
PGJ Priyadarshani, KD Pathirana and M Gamage

Relationship between Body Mass Index, Waist to Hip Ratio and Blood Pressure among Peradeniya University Students
WNI Kularathne, EMIA Bandara, S Humsavathani, KAI Jayamali, N Jeevanantham, G Jigashalija, KMSA Konara and BMHSK Banneheka

Study of Dysmenorrhoea and its Effects on Daily Activities and Self-Managing Techniques among Female Factory Workers in Piliyandala MOH Area, Sri Lanka
TGMI Madhuwanthi, MKK Kumari, KN Vithanagama, UGG Yashodha, DMSS Dissanayake, HSMSK Wijesiri and A Balasuriya

Knowledge, Attitudes and Practices towards Oral Hygiene among a Cohort of 2nd Year Undergraduates Attached to Non-Medical Faculties in University of Sri Jayewardenepura, Sri Lanka
KID Fernando and AU Kiriwandeniya

Knowledge, Beliefs and Practices Regarding Pap Smear Screening Test among School Teachers in Sri Jayewardenepura Educational Zone in Western Province, Sri Lanka
HUC Nuwansala, WN Priyanthi, KAGW Kumarapperuma, WJT Kokila, KMPK Weerakoon and HAADA Jayarathne

Prevalence of Menstrual Irregularities among Sri Lankan National Level Female Athletes and Factors Associated with Menstrual Irregularities

KTTK Wijithasena, DA Jayakody and S Weerasinghe

Knowledge, Attitudes and Practice Regarding Contraceptive Methods among the Female Garment Factory Workers in Katunayake Free Trade Zone

PDAC Perera, AHI Priyadarshani, EGB Sachinee, KWC Nuwanthika, OGTC Nisanka, MN Priyadarshani and BMR Fernandopulle

Awareness and Practices Regarding Rabies and Animal Bite Management among Animal Bite Victims

KKTP Abeyrathna, J Jawad, HPN Subashini, H Vithanarachchi and AR Jayamaha

LAW

Venue: Lobby Area 1st Floor, Academic Building

Admissibility of Computer Evidence under Sri Lankan Criminal Proceedings: A Comparative Analysis
HMMC Herath

A Study of Criminal Recidivism in Sri Lanka Compared to Norway
EMN Perera

The 19th Amendment to the 1978 Constitution of Sri Lanka: Is it a Mockery to the Concept of Democracy?
SSH Dharmasiri and S Senarathne

Testimony through Skype Promotes Best Interest of Justice
Janith Jayasinghe and Chatumini Samarasinghe

The General Agreement on Trade in Services (GATS) and the Rational of the Cooperation and Commitments: An Empirical Approach
E Nadeesh R De Silva

Marriage cannot be Slavery: An Analysis on Forced Marriages and Grounds for Nullity in Sri Lankan Context
BMGD Balasooriya

A Critical Analysis Relating to Implementation of Environmental Law in Sri Lanka: Marine Pollution
DUBM Madushika and EE Chandrasena

Rights and Duties of State Parties to UNCLOS III Regarding Marine Pollution Prevention: A Global Legal Perspective with Regard to Vessel Based Pollution and Ocean Dumping
MIU Manikarachchi

Child Sexual Exploitation and Child Prostitution in Sri Lanka: A Legal Perspective
FAM Basheer

The Impact of Uma Oya Multifunctional Project on Human Rights
DMTGR Samarakoon and WMSC Bandara

MANAGEMENT, SOCIAL SCIENCES & HUMANITIES

Venue: Lobby Area, Mini Auditorium Academic Building

Tourist Motivational Factors that Affect Tourist Visiting Decision: A Case of Sri Lanka
SD Fernando

The Impact of Transactional Contract Fulfillment on Organizational Commitment in Selected Banks in Batticaloa District
Faizal Antanat Shamila and Dilanthy Thavakumar

Causal Attributions of Product Harm Crisis and Consumer Moral Reputation toward the Wounded Company – How Does Societal Damage Matter?
GC Samaraweera

Analysis of Health and Safety Practices Affecting the Productivity of Human Resources in the Apparel Industry in Sri Lanka
DT Mahanama and DR Ratnajeewa

Emerging of Army Bulk Petroleum Reserve as a Critical Supply Chain Infrastructure in Sri Lanka Army
KNMN Medhagedara and ID Wattuhewa

The Effect of Electronic Word of Mouth on Brand Image and Purchase Intention: An Empirical Study in the Cosmetic Industry in Sri Lanka
H Abeykoon

Knowledge Management Involvement in Improving Human Resource Management of Organizations
SK Weerathunga and S Vasanthapriyan

The Impact of Service Quality on Customer Satisfaction with regard to Divisional Secretariats
MI Mujahid Hilal

Dynamics in Productivity with the Intervention of Human Resource Management (HRM): An Exploratory Review on Manufacturing Industry
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