

# PLENARY SESSIONS

## DEFENCE AND STRATEGIC STUDIES – I

### Theme: Integration of Military and Civilian Professions for a Secure Nation

Venue: Auditorium, Faculty of Graduate Studies

Co-Chairpersons	<p><b>Hon Prof C Ashubodha Marasinghe</b>  <i>Member of Parliament, Deputy Chief Government Whip            Member, Sectoral Oversight Committee on National Security            in Sri Lanka Parliament</i></p> <p><b>Lieutenant General (Retd) Dan “Fig” Leaf</b>  <i>Director, Asia-Pacific Center for Security Studies, Hawaii, USA</i></p>
1045 – 1050 hrs	Introduction of the Chair
1050 – 1100 hrs	Preliminary Remarks and Introduction of Presenters by the Chair
1100 - 1115 hrs	<p><b>Joining Forces to Combat Maritime Crime in the Indian Ocean</b>  <b>Prof Robin Warner</b>  <i>Acting Associate Dean (Research), Faculty of Law, Humanities            and the Arts, University of Wollongong, Australia</i></p>
1115 -1130 hrs	<p><b>Integration of Military and Civilian Professions for a Secure Nation: The Bangladesh Experience</b>  <b>Lieutenant General Chaowdhury Hasan Sarwady BB SBP ndc psc</b>  <i>Commandant, National Defence College, Bangladesh</i></p>
1130 - 1145 hrs	<p><b>Civil Military Integration in Managing: The Transformation of Indonesian Security System</b>  <b>Lieutenant General I Wayan Midhio, M.Phil</b>  <i>Rector/President, Indonesia Defence University, Indonesia</i></p>
1145 - 1200 hrs	<p><b>Integration of Military and Civilian Professions for a Secure Nation: The Story of Pakistan</b>  <b>Lieutenant General Nazir Ahmed Butt HI (M)</b>  <i>President, National Defence University, Pakistan</i></p>
1200 - 1220 hrs	Question & Answers
1220 - 1230 hrs	Summing up by the Session Co–chairs
1230 - 1325 hrs	Lunch

## DEFENCE AND STRATEGIC STUDIES – II

### Theme: Integration of Military and Civilian Professions for a Secure Nation

Venue: Auditorium, Faculty of Graduate Studies

Chairperson	<p><b>Mr HMGS Palihakkara</b>  <i>Former Foreign Secretary and Former Governor</i></p>
1330-1335 hrs	Introduction of the Chair
1335-1345 hrs	Preliminary Remarks and Introduction of Presenters by the Chair
1345 - 1400 hrs	<p><b>Integration of Military and Civilian Professions for a Secure Nation: The Asia-Pacific Experiences</b>  <b>Lieutenant General (Retd) Dan “Fig” Leaf</b>  <i>Director, Asia-Pacific Center for Security Studies, Hawaii, USA</i></p>
1400 - 1415 hrs	<p><b>Integration of Military and Civilian Professions for a Secure Nation: The Indian Perspective</b>  <b>Major General Satinder Singh</b>  <i>Senior Directing Staff, National Defence College, India</i></p>
1415 - 1430 hrs	<p><b>Integration of Military and Civilian Professions for a Secure Nation: The Chinese Perspective</b>  <b>Senior Colonel Li Xiaolu</b>  <i>Associate Professor, PLA National Defence University, China</i></p>
1430 - 1445 hrs	<p><b>Integration of Military and Civilian Professions for a Secure Nation: The Story of Maldives</b>  <b>Colonel Wais Waheed</b>  <i>Commanding Officer, College of Defence and Security Studies,            Maldives National Defence Force, Maldives</i></p>
1445 -1500 hrs	<p><b>Integration of Military and Civilian Professions for a Secure Nation: The Malaysian Experience</b>  <b>Professor Lieutenant Colonel (Retd) Ahmad Ghazali Bin Abu Hassan</b>  <i>Director, Centre for Defence and International Security            Studies, National Defence University, Malaysia</i></p>
1500 - 1515 hrs	<p><b>Science and Technology in the Support of Maritime Platforms</b>  <b>Professor Dev Ranmuthugala</b>  <i>Head–Hydroacoustics, Maritime Division, Defence Science and            Technology Group, Department of Defence, Australia</i></p>
1515 - 1535 hrs	Question & Answers
1535 - 1600 hrs	Summing up by the Chair
1600 - 1630 hrs	Refreshments

## ENGINEERING

Theme: **Professional Integration for a Secure Nation through Engineering Innovation**

Venue: *Conference Hall, Faculty of Engineering*

Chairperson	<b>Professor RA Attalage</b> <i>Deputy Vice Chancellor, University of Moratuwa, Sri Lanka</i>
1330-1335 hrs	Introduction of the Chair
1335-1340 hrs	Preliminary Remarks and Introduction of Presenters by the Chair
1340 - 1410 hrs	<b>Transforming Engineering Education towards Innovation and Entrepreneurship in the 21<sup>st</sup> Century</b> <b>Professor Torsten H Fransson</b> <i>Educational Director, Inno Energy Knowledge and Innovation Centre, Sweden</i>
1410 - 1440 hrs	<b>Towards a Secure Nation; How Safe are we against Cyclone-induced Sea Surges?</b> <b>Professor JJ Wijethunge</b> <i>Professor in Civil Engineering, Faculty of Engineering, University of Peradeniya, Sri Lanka</i>
1440 - 1510 hrs	<b>Hydrodynamics Design Considerations for Underwater Vehicles</b> <b>Professor Dev Ranmuthugala</b> <i>Director, National Centre of Ports &amp; Shipping Australian Maritime College, University of Tasmania, Australia</i>
1510 -1540 hrs	<b>Coal Vs LNG Based Power Generation and Challenges ahead of the Predicted Climate Issues by end of the 21<sup>st</sup> Century; Sri Lankan Context</b> <b>Eng WDAS Wijayapala</b> <i>Chairman, Ceylon Electricity Board, Sri Lanka</i>
1540 - 1550 hrs	Summing up by the Chair
1550 - 1615 hrs	Refreshments
1615 – 1800 hrs	Poster Presentations

## BUILT ENVIRONMENT AND SPATIAL SCIENCES

Theme: **Securing the Spatial Dimensions; Principles, Processes and Praxis**

Venue: *3<sup>rd</sup> Floor, Faculty of Medicine*

Chairperson	<b>Professor Harsha Munasinghe</b> <i>Professor of Architecture, George Brown College, Toronto, Canada</i>
1330-1335 hrs	Introduction of the Chair
1335-1340 hrs	Preliminary Remarks and Introduction of Presenters by the Chair
1340 - 1410 hrs	<b>Global Culture and Local Heritage; Urban Landscape Protection Praxis</b> <b>Professor Harsha Munasinghe</b> <i>Professor of Architecture, George Brown College, Toronto, Canada</i>
1410 - 1440 hrs	<b>Principle and Challenges in Settling Disputes on Maritime Boundary Delimitation</b> <b>Professor Mohd Razali Bin Mahmud</b> <i>Professor of Hydrography and Head of Geocoastal Research Unit, Faculty of Geoinformation and Real State, Universiti Teknologi Malaysia, Malaysia</i>
1440 - 1510 hrs	<b>Developing the Built Environment whilst Recognizing the Needs of the Present and Future Generations: A Legal and Policy Perspective</b> <b>Dr Asanga Gunawansa</b> <i>Attorney-at-Law, Colombo Law Alliance, Sri Lanka</i>
1510 -1540 hrs	<b>Perception of Contemporary Architectural Form and Urban Space; Chaos vs. Order</b> <b>Dr Janaka Wijesundara</b> <i>Senior Lecturer, Department of Architecture, Faculty of Architecture, University of Moratuwa, Sri Lanka</i>
1540 - 1550 hrs	Summing up by the Chair
1550 - 1615 hrs	Refreshments
1615 – 1800 hrs	Poster Presentations

## COMPUTING

Theme: **Computing for Professional Integration**

Venue: **3<sup>rd</sup> Floor, Faculty of Medicine**

Chairperson	<b>Professor H Sriyananda</b> <i>Emeritus Professor, Department of Electrical and Computer Engineering, The Open University of Sri Lanka</i>
1330-1335 hrs	Introduction of the Chair
1335-1340 hrs	Preliminary Remarks and Introduction of Presenters by the Chair
1340 - 1410 hrs	<b>Smart Enterprise: Multi-Agent Technology for Real Time Resource Allocation, Scheduling, Optimization, Coordination and Controlling</b> <b>Professor Petr Skobelev</b> <i>Professor in System Analysis and Management, Samara State Technical University, Russia</i>
1410 - 1440 hrs	<b>Preparing Our Workforce to Take Charge of the Future</b> <b>Dr AP Madurapperuma</b> <i>Senior Lecturer/ Head of Department, Department of Electrical and Computer Engineering, Faculty of Engineering Technology, The Open University of Sri Lanka</i>
1440 - 1510 hrs	<b>Mobile Apps to Assist Farmers to make timely Decisions when Growing Crops</b> <b>Professor Gihan Wickramanayake</b> <i>Professor in Computer Science, University of Colombo School of Computing, Sri Lanka</i>
1510 -1540 hrs	<b>Big Data: A Concept, a Solution or a Problem</b> <b>Dr Damith Wickramanayake</b> <i>Acting Head of School, School of Computing and IT, University of Technology, Jamaica</i>
1540 - 1550 hrs	Summing up by the Chair
1550 - 1615 hrs	Refreshments
1615 – 1800 hrs	Poster Presentations

## MEDICINE

Theme: **Partnerships in Healthcare**

Venue: **Mini-lecture Theatre, 4<sup>th</sup> Floor, Faculty of Medicine**

Co-Chairpersons	<b>Senior Professor Narada Warnasuriya</b> <i>Senior Professor of Paediatrics, General Sir John Kotelawala Defence University, Sri Lanka</i>
	<b>Senior Professor Rezvi Sheriff</b> <i>Senior Professor of Medicine, General Sir John Kotelawala Defence University, Sri Lanka</i>
1330-1335 hrs	Introduction of the Chair
1335-1340 hrs	Preliminary Remarks and Introduction of Presenters by the Chair
1340 - 1410 hrs	<b>Administrator–Clinician Co-operation for Quality Enhancement in Health Care</b> <b>Dr PG Mahipala</b> <i>Director General of Health Services, Ministry of Health, Sri Lanka</i>
1410 - 1440 hrs	<b>Opportunities and Challenges for Sri Lanka to achieve Standard Development Goals</b> <b>Dr Palitha Abeykoon</b> <i>Chairman, National Authority on Tobacco and Alcohol, Sri Lanka</i>
1440 - 1510 hrs	<b>Transdisciplinary Research and Cultural Changes</b> <b>Dr Tony Rozan Sahama</b> <i>Lecturer, Information Security Discipline, School of Electrical Engineering and Computer Science, Faculty of Science and Engineering, Queensland University, Australia</i>
1510 -1540 hrs	<b>Public Private Partnerships in Health Care-A Push for Affordable and Efficient Care Delivery System</b> <b>Dr Samantha de Silva</b> <i>Director (Operations), Asiri Health, Sri Lanka</i>
1540 - 1550 hrs	Summing up by the Co-chairs
1550 - 1615 hrs	Refreshments
1615 – 1800 hrs	Poster Presentations

## BASIC AND APPLIED SCIENCES

Theme: **Developing a Scientific Basis for Secure Nation**

Venue: *4<sup>th</sup> Floor, Faculty of Medicine*

Chairperson	<b>Professor Sujatha Hewage</b> <i>Professor, Department of Chemistry, Faculty of Science, University of Colombo, Sri Lanka</i>
1330-1335 hrs	Introduction of the Chair
1335-1340 hrs	Preliminary Remarks and Introduction of Presenters by the Chair
1340 - 1410 hrs	<b>Rajarata Kidney Disease: Science, Myths and Realities</b> <b>Professor OA Ileperuma</b> <i>Emeritus Professor of Chemistry, Institute of Chemistry (Ceylon), Rajagiriya</i>
1410 - 1440 hrs	<b>The Effect of Diet, Life Style and Genotype on Inflammation in Modern Population</b> <b>Professor Robert Francis Grimble</b> <i>Emeritus Professor of Nutrition, Department of Physiology and Biochemistry, Southampton University Medical School, Southampton, United Kingdom</i>
1440 - 1510 hrs	<b>Marine Natural Products; Promising Source for New Drugs</b> <b>Dr GAS Premakumara</b> <i>Director General, Industrial Technology Institute, Colombo 07, Sri Lanka</i>
1510 -1540 hrs	<b>Role of Scientists in the Development of a Secure Nation; Commitment, Responsibilities and Expectations</b> <b>Professor Shiroma M Hadunnetti</b> <i>Director, Institute of Biochemistry, Molecular Biology and Biotechnology, University of Colombo, Sri Lanka</i>
1540 - 1550 hrs	Summing up by the Chair
1550 - 1615 hrs	Refreshments
1615 – 1800 hrs	Poster Presentations

## ALLIED HEALTH SCIENCES

Theme: **Merging the Power of Allied Health Services towards a Secure Nation**

Venue: *4<sup>th</sup> Floor, Faculty of Medicine*

Chairperson	<b>Senior Professor Mirani Weerasooriya</b> <i>Senior Professor of Parasitology, Faculty of Medicine, University of Ruhuna, Sri Lanka</i>
1330-1335 hrs	Introduction of the Chair
1335-1340 hrs	Preliminary Remarks and Introduction of Presenters by the Chair
1340 - 1410 hrs	<b>Promoting Health Across the Lifespan; New Models, New Challenges</b> <b>Prof Steven M Albert</b> <i>Professor and Chair, Behavioral and Community Health Sciences, University of Pittsburgh, USA</i>
1410 - 1440 hrs	<b>Solubalization of Cytotoxic Protein Aggregates linked to Human Pathology</b> <b>Dr NMNB Nillegoda</b> <i>Project Leader, Center for Molecular Biology, University of Heidelberg, Germany</i>
1440 - 1510 hrs	<b>Allied Health Professions for Quality, Safe and Effective Healthcare for the Future</b> <b>Dr SSP Warnakulasuriya</b> <i>Senior Lecturer, Department of Allied Health Sciences, Faculty of Medical Sciences, University of Sri Jayewardenepura, Sri Lanka</i>
1510 -1540 hrs	<b>Prevention Principles of Sports Injuries</b> <b>Dr Asela JB Ratnayake</b> <i>Sports Physician, Sports Medicine Unit, Teaching Hospital, Peradeniya, Sri Lanka</i>
1540 - 1550 hrs	Summing up by the Chair
1550 - 1615 hrs	Refreshments
1615 – 1800 hrs	Poster Presentations

## LAW

Theme: **Multi-Dimensional Role of Law and Legal Profession in Fostering National Security and Development**

Venue: *Main Auditorium, Main Academic Building*

Chairperson	<b>Mr Jayantha Jayasuriya, PC</b> <i>Attorney General of Sri Lanka, Attorney General's Department, Sri Lanka</i>
1330 - 1335 hrs	Introduction of the Chair
1335 - 1340 hrs	Preliminary Remarks and Introduction of Presenters by the Chair
1340 - 1405 hrs	<b>Professor Balakista Reddy</b> <i>Professor of International Law, Centre for Air and Space Law, National Academy of Law Studies and Research (NALSAR), Hyderabad, India</i>
1405 - 1430 hrs	<b>Professor Miriam Estrada-Castillo</b> <i>Resident Professor of International Law, Department of International Law and Human Rights, United Nations University for Peace, Costa-Rica</i>
1430 - 1455 hrs	<b>Mr Jayantha Fernando</b> <i>Director (Legal), Information and Communication Agency of Sri Lanka</i>
1455 -1520 hrs	<b>Mr Ravi Algama</b> <i>Senior Counsel of the Supreme Court</i>
1520 – 1545 hrs	<b>Mr UR De Silva</b> <i>Senior Counsel of the Supreme Court</i>
1545 - 1555 hrs	Summing up by the Chair
1555 - 1615 hrs	Refreshments
1615 – 1800 hrs	Poster Presentations

## MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Theme: **Secure Nation through Professional Integration in the Domains of Managements, Social Sciences and Humanities**

Venue: *Mini Auditorium, Main Academic Building*

Chairperson	<b>Professor Kennedy Gunawardana</b> <i>Professor in Accounting, Department of Accounting, Faculty of Management Studies and Commerce, University of Sri Jayawardhanapura, Sri Lanka</i>
1330-1335 hrs	Introduction of the Chair
1335-1340 hrs	Preliminary Remarks and Introduction of Presenters by the Chair
1340 - 1410 hrs	<b>Professional Integration of Logistics Management for a Secure Nation</b> <b>Professor Chandana Perera</b> <i>Dean, Faculty of Business, Sri Lanka Institute of Technology, Sri Lanka</i>
1410 - 1440 hrs	<b>Research Impacts for Professional Integration in the Domains of Management, Social Sciences and Humanities (MSSH)</b> <b>Dr WM Premachandra</b> <i>Independent Consultant and a Visiting Researcher, School of Earth and Environmental Sciences (SEES), University of Portsmouth, UK</i>
1440 - 1510 hrs	<b>Parochialism rather than Professionalism in Language Planning</b> <b>Professor Rajiva Wijesingha</b> <i>Senior Professor of Languages, Department of Languages, Sabaragamuwa University of Sri Lanka</i>
1510 -1540 hrs	<b>Professional Integration through Social Sciences for a Secure Nation</b> <b>Professor Siri Hettige</b> <i>Senior Professor and Chair of Sociology, Department of Sociology, University of Colombo, Sri Lanka</i>
1540 - 1550 hrs	Summing up by the Chair
1550 - 1615 hrs	Refreshments
1615 – 1800 hrs	Poster Presentations

# POSTER PRESENTATIONS

## ENGINEERING

Venue: Conference Hall, Faculty of Engineering

### Employing rGO as an Electron Acceptor to Enhance the Photocurrent of p-Cu<sub>2</sub>O

SPAUK Samarakoon and CAN Fernando

### Cost Effective Calling Mechanism for Roaming Users

WMDH Wanasinghe, AKST Chaminda, DR Ranasinghearachchi and TL Weerawardane

### Reducing Interface Noise Generation Experienced in Connecting Modbus Protocol to Arduino to Improve Work Efficiency

DMHT Dasanayake, JAH Harshana, R Wijenayaka and KVP Dhammika

### Advanced Automation System for Greenhouse Climate Control

PES De Silva, ERMCK Rajapaksha, TL Weerawardane and WLPK Wijesinghe

### Urban Traffic Control Method for Sri Lanka

AMC Priyashantha, DA Jayasuriya, MAD Nuwankumara and LSD Peiris

### Conceptual Smart Earth Model

AMC Priyashantha and AJCE Fernando

### An Effective Design and Construction of Robotic Musical Instrument using PIC Microcontrollers

RS David, SI Warnakulasooria and NDKS Ranawaka

### Optimization of the Longitudinal Stability of Unmanned Aerial Vehicle (UAV) UX 004

KGDN Jayasinghe

### Proactive Maintenance Philosophy for Aging Aircraft through Corrosion Induced Risk Assessment; A Case Study from Sri Lanka Air Force

MGPS Senevirathne, JLS Jayasiri, KPWJKB Kaduwela, KM Marasinghe and WTS Rodrigo

### Analysing the “Northrop Grumman B2 spirit” Aircraft’s Operational and Design Aspects in order to Ascertain the Issues related to Flying wing Concept in Implementing as a Commercial Airliner

WDT Fernando, NVKL Madushanka, RSRC Rajapaksha and SLMD Rangajeeva

### Aircraft Structural Integrity Analysis through Fatigue Crack Propagation

DR Casseer, RMMP Rathnayake, T Sanjeevan, SM Wickramasuriya and WTS Rodrigo

### Analysis of Fatigue Crack Initiation of On-condition Aircraft Structural Components

SLMDS Samarathunga, RM Weerasinghe, KWKA Jayathilaka, AARMW Ampitiyawaththa and WTS Rodrigo

### CFD Analysis of Oneram6 Wing using Openfoam

SH Subahan, GDAL Gohumulla, PDKL Sriyathne, WMSKB Wijayathunga, SLMDR Samarathunga and DJK Lokupathirage

## BUILT ENVIRONMENT AND SPATIAL SCIENCES

Venue : 3rd Floor, Faculty of Medicine

### A Model House to Promote Disaster Resilient Construction Culture and Use of Alternative Materials in Construction

K Sugathapala, D Munasinghe, D Jayathilaka, A Vijekumara, I Weerasinghe and S De Zoysa

## COMPUTING

Venue: 3<sup>rd</sup> Floor, Faculty of Medicine

### Transforming Government Processes through Affective Utility Management System: A Sri Lankan Case Study

JKC Shayalika, NCD Arambawela, SHYS Wickramarathne, SD Ranasinghe and N Wedasinghe

### MobiDro – Mobile Operated Bluetooth Integrated Drone

WTVL Gunarathne, SMRMB Sakalasoorya, DMHM Dissanayake, KADKS Athukorala, DWHI de Silva, DMR Kulasekara and AS Karunananda

### Internet of Everything: Unlock the Potential Fear of Sri Lankan Government Sectors

RPS Kathriarachchi

### Review of Location Based Delivery Management System

WTMTP Tennakoon and ADAI Gunesekara

### Effective Teaching and Learning Environment: Class Room Management System

K Chandrasiri, RPS Kathriarachchi and A Wanniarachchi

### A Survey of WebSocket Development Techniques and Technologies

T Wirasingha and NR Dissanayake

### Annotation Based Build Process Automation for Cyber Foraging Frameworks

P Vekneswaran and NR Dissanayake

### Towards Identification of Polarity of Employees’ Opinions using Aspect Based Sentiment Analysis

LP Liyanapathirana and NR Dissanayake

### Mobile Based Solution for Harvest Selling System in Sri Lanka

C Ekanayake and SCM de S Sirisuriya



## MEDICINE

Venue: 4<sup>th</sup> Floor, Faculty of Medicine

### **A Community Based Study to Determine the Incidence of Phantom Limb Pain after Traumatic and Elective Surgical Limb Amputations in Sri Lanka**

*MVG Pinto, KB Galketiya, BAM Premadasa, AHMAH Abayasinghe, GWGDD Galahawela and DMILC Dasanayake*

### **Classification of Examination Questions Based on Bloom's Cognitive Levels: An Analysis of Essay Questions of the Undergraduate Medical Programme, University of Peradeniya, Sri Lanka**

*D Edussuriya, R Waduge, AN Samaranayake and BG Premaratne*

### **Learning Preferences of Medical Students at University of Peradeniya, Sri Lanka**

*D Edussuriya, S Ubhayasiri, N Abey Siriwardhana and WMMHP Wickramasinghe*

### **Maternal Dietary Behaviours among Mothers in Jaffna District, Sri Lanka**

*T Yoganathan, V Arasaratnam, M Hettiarachchi and C Liyanage*

### **A Review on the Use of *Tirivana gal* (Quartz) based on *Talpate Piliyam* in the Indigenous Medical System of Sri Lanka**

*KGDM Hansini, RM Peiris, KASTK Pathiraja and JTR Jayakody*

### **A Survey of Knowledge and Practices of Transfusion Medicine among Medical Officers in a Specialized Hospital in Sri Lanka**

*SLS Kumarage, L Gunasekara and R Fernando*

### **The Efficacy of *Kalaka Choorna* on *Tundikeri* (Chronic Tonsillitis)**

*KPP Peiris, NS Abegunasekara and T Jayawickrama*

### **Prevalence of Smoking among Males over 50 years of Age in a Suburban Setting in Sri Lanka**

*N Gunawardena, I Atukorala, F Hassan, AP Hettihewa, E Naotunna, M Rajkaran, I Lekamge and D Hunter*

### **Reasons for Recurrent Attacks of Asthma amongst Asthma Patients using Inhaler Therapy**

*KSS Korala, SEY Ruhunage, AY Wickramarathne, A Zahiya, DH Jayasena and RANK Wijesinghe*

### **Postsurgical Pain Relief: Is it Optimal or More to be Done?**

*K Harishchandra, KWJ Dhananjaya, KHT Dinusha, IATM Illukthanne, PTR Makuloluwa and N Edirisinghe*

## BASIC AND APPLIED SCIENCES

Venue: 4<sup>th</sup> Floor, Faculty of Medicine

### **Zero Defect Chronological Algorithm to Explore the Day of the Week of Given Date**

*LBC Jayavilal*

### **Development of Mixed Fruit Leather using Five Tropical Fruits**

*DBG Madusanka, KH Sarananda, T Mahendran and G Hariharan*

### **Preservation and Quality Evaluation of Ready to Cook Vegetarian Soup Incorporated with Dehydrated Soya Bean (*Glycine max*) Powder under Blast Freezing**

*RMNA Wijewardane, MRF Risna, NWIA Jayawardane, WMCB Wasala and BMKS Thilakarathne*

### **Android Application: Sound Level Meter and Frequency Spectrum Analyzer**

*NDNC Bandara and WKIL Wanniarachchi*

### **Yield and Yield Components of Selected Rice (*Oryza sativa* L.) Cultivars as Affected by Salinity**

*S Puvanitha and S Mahendran*

### **Assessment of Physicochemical Properties of Banana (*Musa spp*) Flour in Selected Varieties in Sri Lanka**

*ABGCI De Silva, SAS Jayawardana, S Yathursan, PHLU De Silva, DMK Aponso, JKRR Samarasekera and J Gooneratne*

### **Anti-inflammatory Effect of Finger Millet (*Eleusine coracana*) Varieties of Sri Lanka on Zymosan Induced Oxidative Burst in Phagocytes**

*SAS Jayawardana, JKRR Samarasekera, GHCM Hettiarachchi, A Jabeen, MI Choudhary and J Gooneratne*

### **Value Added Products Developed from *Moringa oleifera* (Murunga) Leaf: Nutritionally and Functionally Enhanced Tea and Leaf Powder and Skin Whitening and Anti-aging Cream**

*WPKM Abeysekera, GAS Premakumara, WKSM Abeysekera, P Ranasinghe and PIPK Fernando*

### **Development of Enhanced Biodegradable Thermo-bioplastic Material based on Natural Polymers**

*GSM Perera, RMMN Rathnayaka, MN Kaumal and A Tillekaratne*

### **Development and Characterization of a Potentiometric Ion Selective Electrode for the Determination of Zinc (II) Ions**

*KM Perera and LHR Perera*

## ALLIED HEALTH SCIENCES

Venue: 4<sup>th</sup> Floor, Faculty of Medicine

**Effective Dose and Dose area Product Assessment for Postero-Anterior Erect Chest X-ray Examinations of Adult Patients in a Selected Teaching Hospital in Sri Lanka**

*LHMIM Herath and S Rosairo*

**Risk Factors for Prediction of Breast Cancer: A Study from Mammographic X - ray Examination at a Selected Private Hospital, Sri Lanka**

*P Sathyathas, HMISW Herath, R Tudugala and WK Hewapathirana*

**Measuring the Radiation Dose to the Body of a Nurse who Works in a Nuclear Medicine Department at a Selected Private Hospital, Sri Lanka**

*HL Gamage, WMTM Bandara and R Hewamanna*

**Radiation Dose in DEXA Scan Examinations in a Selected Private Hospital, Sri Lanka**

*WMTM Bandara, HL Gamage and PD Jayasekara*

**Inhibitory Action of a Herbal Syrup on Advanced Glycation End Product Formation**

*SCD Fernando, HVN Lakmali and SA Deraniyagala*

**Evaluation of the *In vitro* and *In vivo* Antioxidant Potentials of *Sudarshana* Powder**

*WASS Weerakoon, PK Perera, Dulani Gunasekera and TS Suresh*

**Assessment of Patient Knowledge about Asthma and its Medications; A Survey in a Tertiary Care Setting**

*HPD Madhushani and HWAS Subasinghe*

**Testing the Anti-inflammatory Activity of Sri Lankan Traditional Medicine Pill using Albumin Denaturation Method**

*S Sarvaka, GLS Galgamuwa, U Siriwardene, ARN Silva and N Kumarasinghe*

**Anti-inflammatory Activity of Bark of Ceylon Cinnamon (*Cinnamomum zeylanicum* Blume)**

*WPKM Abeysekera, GAS Premakumara, WD Ratnasooriya and CD Jayasinghe*

**Perception on Academic Learning Environment of Physiotherapy Undergraduates of the Faculty of Allied Health Sciences, General Sir John Kotelawala Defence University, Sri Lanka**

*MMN Perera and DMAMKS Andradi*

**Shoulder Injuries among Fast Bowlers of School Cricket Teams in Colombo District, Sri Lanka**

*SMM Thasneem, HPM Dabare and NA Mendis*

**Prevalence of Needle Stick Injuries among BSc Nursing Undergraduates in General Sir John Kotelawala Defence University, Sri Lanka**

*D Vidanage and HSMSK Wijesiri*

**Effectiveness of Use of Brief Intervention and five 'A's Method for Quit Smoking of Sailors in North Western Naval Area, Sri Lanka**

*HDI Samarawickrama*

**Knowledge, Attitudes and Practices regarding Contraceptives among Tea Estate Workers in Hiniduma Area in Galle, Sri Lanka**

*T Mirihagalla, K Imendra and T Sundarapperuma*

**Human-Monkey (*Macaca sinica*) Conflict in Sri Lanka; A Narrative Review**

*A Dangolla and BCG Mendis*

**Knowledge and Self-reported Practices on Post-operative Pain Management among Nurses working in Surgical Wards in Two Selected Teaching Hospitals**

*WMPDS Wijekoon and SMKS Seneviratne*

**The Efficacy of Sri Lankan Traditional Medicine Treatment on Chronic Kidney Disease of Uncertain Etiology Patients in Kebithigollewa, Sri Lanka**

*V Suriyakumara, U Siriwardene, P Jayawardana, JMKB Jayasekara and N Kumarasinghe*

**Variations of Serum Creatinine Levels among CKDu Patients; Retrospective Study**

*ARN Silva, JMKB Jayasekara, N Kumarasinghe, RDN Karunathilaka and SHNP Gunawickrama*

## LAW

Venue: Main Auditorium, Academic Building

**Empowering Legal Background for the Prevention and Control of Non-Communicable Diseases in Sri Lanka**

*D Yapa*

**Addressing a Legal Way to Eradicate Ragging Culture from Sri Lankan Universities**

*KERL Fernando, DIGR Fernando, JMRR Bandara and L Fernando*

**Reconciling the Irreconcilable: The Use of Reasonable Consequentialism for the Conundrum of National Security and Fundamental Rights**

*U Premaratne*

**A Study on Minimum Age of Marriage in Muslim Law and its Confrontation with Child Rights**

*KH Gordon, AU Kuruppu and MCJ Mendis*

**Expansion of Abortion Laws in Sri Lanka while Setting Boundaries: A Legal Aspects with Focus on Law Reform**

*T Wijesinghe*

**Protecting Reels to the Future: Endeavor of Archiving Moving Images of Sri Lanka upon a Challenging Platform**

*SE Jayasekera*

**Green Justice; A Special Court for the Environmental Litigation in Sri Lanka**

*N Sooriyabndara*

**Judicial Role in Upholding International Covenant on Civil and Political rights in New Zealand, and its Applicability in Sri Lanka**

*BAHC Mendis*

**Breaking Off the Whimsicality: Significance of Right to Reasons in Eliminating Arbitrary Arrest**

*S Bulathwela*

**The Aftermath of the Oil Hedging Transactions in Sri Lanka: Would the Adverse Results have been Avoided with Proper Professional Integration?**

*NH Warapitiya*

**Critical Overview on the International Space Law for Addressing the Legal Issues related to the Orbital Debris**

*MPKN Rajapaksha*

**The Importance of Democratic Institutional Stability for the Future of Sri Lanka**

*AL Barborich*

**Market Orientation and Financial Performance (An Empirical Study on Tea Exporters in Tea Export Industry in Sri Lanka)**

*HK Udayanga*

**Impact of Marketing Mix on Buyer Characteristics towards the Liquor Products in Jaffna District, Sri Lanka**

*V Kumaradeepan and S Sivanenthira*

**Financial Management Practices and Performance of Small and Medium Enterprises in Sri Lanka**

*HGN Tharindi and RMCLK Rathnayaka*

**Cost Benefit Perspectives of Backward Vertical Integration; An Empirical Study on the Textile and Apparel Industry in Sri Lanka**

*MMLC Gunathilake and WDH De Mel*

## **MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES**

*Venue: Mini Auditorium, Academic Building*

**Training and Development Practices and Its Impact on Non-Managerial Employees' Productivity in Apparel Industry of Sri Lanka**

*AI Embuldeniya*

**Determinants towards Doctors' Prescribing Intention of Branded Medicines; A Case of Sri Lankan Pharmaceutical Industry (with Special Reference to Antibiotics)**

*TD Jayasooriya, GD Samarasinghe and N Abeysekera*

**Are the Buddhist Teachings on Good Governance in Need? Dhamma and a Stable Sri Lanka (A Buddhist Approach)**

*M Vijitha*

# ORAL PRESENTATIONS

## DEFENCE AND STRATEGIC STUDIES

### Session I: **A Secure Nation: Civil Military Harmonious Blend**

*Venue: Auditorium, Faculty of Graduate Studies*

Chairperson	<b>Lieutenant General Chaowdhury Hasan Sarwady BB SBP ndc psc</b> <i>Commandant, National Defence College, Bangladesh</i>
0830 – 0835 hrs	Introduction of the Chair
0835 – 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	<b>Importance of Vocational Training: Transition from Military to Civilian Life</b> <i>G Hettiarachchi</i>
0850 - 0900 hrs	<b>Transforming of Retired Military Personnel (Veterans) into Economic Actors - The Case of Sri Lanka Army: A Review of Literature</b> <i>MHSB Perera, WMAGHA Premarathna and L Welamedage</i>
0900 - 0910 hrs	<b>Integration of Military and Civilian Professions for a Secure Nation: The Case of Australia</b> <i>Jason Sears</i>
0910 – 0920 hrs	<b>Integration of Military and Civilian Professions for a Secure Nation: The South Asian Perspective</b> <i>M Sathiya Moorthy</i>
0920 – 0930 hrs	<b>Impact of Advanced Technology on Effectiveness of Disaster Management Activities in Sri Lanka</b> <i>CAP Anthony</i>
0930 – 0945 hrs	Question and Answer Session
0945 – 0955 hrs	Summing up by the Chair
0955 – 1020 hrs	Refreshments

## DEFENCE AND STRATEGIC STUDIES

### Session II: **Strategic Dilemmas in Statecraft: External Compulsions**

*Venue: Auditorium, Faculty of Graduate Studies*

Chairperson	<b>Professor Amal Jayawardane</b> <i>Senior Professor, Department of Strategic Studies, Faculty of Defence &amp; Strategic Studies, General Sir John Kotelawala Defence University, Sri Lanka</i>
1030 – 1035 hrs	Introduction of the Chair
1035 – 1040 hrs	Preliminary Remarks by the Chair
1040 - 1050 hrs	<b>Exploring Secured Nation: Economic Consequences of Global Terrorism</b> <i>JSK Colombage</i>
1050 - 1100 hrs	<b>Safeguarding National Security through Neorealist Approach</b> <i>C Wickramasinghe</i>
1100 - 1110 hrs	<b>Analysis of the Intentions of the United States Defence Strategy in South Asia Since 2001</b> <i>VK Madanayake</i>
1110 – 1120 hrs	<b>India's Political Economy: Challenges and Opportunities for Sri Lanka</b> <i>A Senavirathna</i>
1120 – 1130 hrs	<b>Power Struggle in the Indian Ocean Region and its Implications to Sri Lanka: Geo-Political Perspective</b> <i>MPLS Hemachandra</i>
1130 – 1145 hrs	Question and Answer Session
1145 – 1155 hrs	Summing up by the Chair
1155 – 1250 hrs	Lunch

## DEFENCE AND STRATEGIC STUDIES

### Session III: Professionalism in Maritime Security Engagement

*Venue: Auditorium, Faculty of Graduate Studies*

Chairperson	<b>Professor Robin Warner</b> <i>Acting Associate Dean (Research), Faculty of Law, Humanities and the Arts, University of Wollongong, Australia</i>
1300 – 1305 hrs	Introduction of the Chair
1305 – 1310 hrs	Preliminary Remarks by the Chair
1310 - 1320 hrs	<b>Means to Ensure Gap Free Coastal Surveillance in Sri Lanka</b> <i>SACR Kulatunga</i>
1320 - 1330 hrs	<b>Revisiting the Conflict in the “Not-So-Deep Blue Sea”, Indo-Lanka Fishery Issues: A Threat to Comprehensive Security</b> <i>M Adams</i>
1330 - 1340 hrs	<b>Trawler Wars in the Palk Bay: Maritime Security at Risk; Peace and Stability Affected</b> <i>R Joseph</i>
1340 – 1350 hrs	<b>India’s Strategy in the Indian Ocean and South Asia: Implications for Sri Lanka’s National Security</b> <i>S Fernando</i>
1350 – 1400 hrs	<b>The Role of Submarine Forces in Balancing Geostrategic Equations in the Indian Ocean</b> <i>APA Prasanga</i>
1400 – 1415 hrs	Question and Answer Session
1415 – 1425 hrs	Summing up by the Chair
1425 – 1450 hrs	Refreshments

## DEFENCE AND STRATEGIC STUDIES

### Session IV: A Secure Nation: Integrated Professional Approach

*Venue: Auditorium, Faculty of Graduate Studies*

Chairperson	<b>Admiral (Retd) Dr Jayanath Colombage</b> <i>Former Commander of the Sri Lanka Navy</i>
1500 – 1505 hrs	Introduction of the Chair
1505 – 1510 hrs	Preliminary Remarks by the Chair
1510 - 1520 hrs	<b>Reconciliation in Post War Sri Lanka: Issues and Prospects</b> <i>W Nalawatta and S Weeraratne</i>
1520 - 1530 hrs	<b>Identifying the Core Challenge in the Post-Conflict Peace Setting in Sri Lanka: A Way to Redress with the Peace Triangle</b> <i>KERL Fernando</i>
11530 - 1540 hrs	<b>The Role of Youth in Post War Reconciliation</b> <i>DGN Sanjeevani</i>
1540 – 1550 hrs	<b>Mitigating the Risk of Insurgency through Youth Integration and Development</b> <i>RMJB Ranaraja</i>
1550 – 1600 hrs	<b>Building Effective States through Peace Building Initiative: Empowering Peace in Sri Lanka</b> <i>S Satheesmohan</i>
1600 – 1610 hrs	<b>Lessons for Sri Lanka from the Rwanda Experience</b> <i>BDTD Jayarathne and S Fernando</i>
1610 – 1625 hrs	Question and Answer Session
1625 – 1635 hrs	Summing up by the Chair

## DEFENCE AND STRATEGIC STUDIES

### Parallel Session I: Professional Integration for a Secure Nation: Different Dimensions

*Venue: Auditorium, Faculty of Graduate Studies*

Chairperson	<b>Professor Lieutenant Colonel (Retd) Ahmad Ghazali Bin Abu Hassan</b> <i>Director, Centre for Defence and International Security Studies, National Defence University, Malaysia</i>
1030 – 1035 hrs	Introduction of the Chair
1035 – 1040 hrs	Preliminary Remarks by the Chair
1040 - 1050 hrs	<b>India- Pakistan War of 1971: A Sri Lankan Perspective</b> <i>W Nalawatta and S Weeraratne</i>
1050 - 1100 hrs	<b>Effective Application of Airpower in Countering Threats to National Security in Indian Ocean Region</b> <i>HWN Wanasinghe</i>
1100 - 1110 hrs	<b>In Search of a Liquefied Natural Gas Trading Hub in Asia: Sri Lanka's Potential to Become a Candidate</b> <i>AMCP Wijeratne</i>
1110 – 1120 hrs	<b>People's Awareness of Five Common Global Threats which Affects the National Security of Sri Lanka</b> <i>SDG Jayasooriya</i>
1120 – 1130 hrs	<b>The Role of Sri Lankan Armed Forces in Public Diplomacy in the Post Conflict Scenario</b> <i>B Senaratne</i>
1130 – 1140 hrs	<b>The Impact of Civil-Military Cooperation on Nuclear Deterrence in South Asia</b> <i>KSC de Silva</i>
1140 – 1155 hrs	Question and Answer Session
1155 – 1205 hrs	Summing up by the Chair

## ENGINEERING

### Session I: Power Energy and Communication

*Venue: Conference Hall, Faculty of Engineering*

Chairperson	<b>Professor HYR Perera</b> <i>Senior Professor in Electrical Engineering, University of Moratuwa, Sri Lanka</i>
0830 – 0835 hrs	Introduction of the Chair
0835 – 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	<b>Study and Analysis on Security of Ad-hoc Networks</b> <i>KDRS Kuruppu and TL Weerawardane</i>
0850 - 0900 hrs	<b>Investigation of the Effects of DC Current at the Point of Common Coupling on the Operation of Distribution Transformers</b> <i>JP Karunadasa and HMAI Herath</i>
0900 - 0910 hrs	<b>Novel Solid State Solar Cell Made from n-cu<sub>2</sub>o using Bamboo Powder Active Carbon as Upper - electrode</b> <i>NWPS Perera, CAN Fernando, MVW Samarakkody, SA Ariadurai and VG Harris</i>
0910 – 0920 hrs	<b>ZigBee Based Wireless Sensor Network for Fire Alarm Monitoring in Naval Vessels</b> <i>MDCPK Gunathilake, KMCM Karunanayake, CPTK Kumara and MSG Peiris</i>
0920 – 0930 hrs	<b>Android Application for Automating the CEB Meter Reading System</b> <i>KDTR Karunathilake, ST Wanniarachchi, TL Weerawardhane and WLPK Wijesinghe</i>
0930 – 0955 hrs	Question and Answer Session
0955 – 1005 hrs	Summing up by the Chair
1005 – 1030 hrs	Refreshments

## ENGINEERING

### Session II: Hydrodynamics and Mechanical Engineering Venue: Conference Hall, Faculty of Engineering

Chairperson	<b>Dr TA Piyasiri</b> <i>Vice Chancellor, University of Vocational Technology, Sri Lanka</i>
1030 – 1035 hrs	Introduction of the Chair
1035 – 1040 hrs	Preliminary Remarks by the Chair
1040 - 1050 hrs	<b>Hydrodynamic Interaction Effects on Tugs Operating within the Midship Region Alongside Large Vessels</b> <i>N Jayarathne, Zhi Leong and D Ranmuthugala</i>
1050 - 1100 hrs	<b>A Feasible Action Copying Exoskeleton Upper Limb for Partially Paralysed Polio Patients in Sri Lanka</b> <i>RS David</i>
1100 - 1110 hrs	<b>Automated Paddy Transplanter</b> <i>DKP Pakshaweera, CGT Guruge, DSJ Dhanushke, WSP Fernando and WLPK Wijesinghe</i>
1110 – 1120 hrs	<b>Evaluate the Potential of Applying a Nano Paint on SLAF Y-12(II) Aircraft as a Nanotechnology Modification</b> <i>ND Hiripitiya, HVH De Soysa, SKK Dilshan, WMSKB Wijayathunga, KADD Kuruppu and DJK Lokupathirage</i>
1120 – 1130 hrs	<b>Estimation of Hydro-acoustic Signatures Originated from Ship's Hull Vibration</b> <i>DMPM Dasanayaka and PABAR Perera</i>
1130 – 1155 hrs	Question and Answer Session
1155 – 1205 hrs	Summing up by the Chair
1205 – 1300 hrs	Lunch

## ENGINEERING

### Session III: Civil Engineering Venue: Conference Hall, Faculty of Engineering

Chairperson	<b>Dr (Mrs) HLDMA Judith</b> <i>Director R &amp; D, Road Development Authority, Sri Lanka</i>
1300 – 1305 hrs	Introduction of the Chair
1305 – 1310 hrs	Preliminary Remarks by the Chair
1310 - 1320 hrs	<b>Mathematics of Architecture; A Study of the Philosophy of Emerging Architecture</b> <i>WJBS Fernando and GKP John</i>
11320 - 1330 hrs	<b>Reducing the Volume of Municipal Solid Waste in Karadiyana Dumpsite by using Compaction Method</b> <i>MB Samarakoon, KAS Suresh and DWDB Amarawardana</i>
1330 - 1340 hrs	<b>Indicators for Assessing Social Sustainability of Fuel Wood Systems</b> <i>KJ Sirikumara</i>
1340 – 1350 hrs	<b>Usage of Quarry Dust and Lime as a Stabilization Agent for Fine Grained Soils</b> <i>VGP Sirisena and WN Premadasa</i>
1350 – 1400 hrs	<b>Development of Downdraft Biomass Gasifier</b> <i>FBYR de Silva and S Abeygunasekara</i>
1400 – 1425 hrs	Question and Answer Session
1425 – 1435 hrs	Summing up by the Chair
1435 – 1500 hrs	Refreshments



## ENGINEERING

### Session IV: Numerical Simulation and Optimization

*Venue: Conference Hall, Faculty of Engineering*

Chairperson	<b>Dr Nirosch Jayaweera</b> <i>Senior Lecturer in Department of Mechanical Engineering, University of Moratuwa, Sri Lanka</i>
1500 – 1505 hrs	Introduction of the Chair
1505 – 1510 hrs	Preliminary Remarks by the Chair
1510 - 1520 hrs	<b>Helicopter Main Rotor Aerodynamic Simulation with CFD</b> <i>GAPR Perera, HDH Jagathsinghe, SKK Dilshan, MAM Sudaraka and SLMD Rangajeeva</i>
1520 - 1530 hrs	<b>Finite Element Analysis of a Vehicle Chassis Cross-member Spot Weld Design</b> <i>RMRC Udayanandana, PPSS Pussepitiya and Jens Lahr</i>
1530 - 1540 hrs	<b>Optimized Manpower Capacity Planning Model for Aviation Industry</b> <i>WTS Rodrigo, APLM Wijethunga, WTL Botheju, ACS Wijepala and K Wickramasinghe</i>
1540 – 1550 hrs	<b>Alert Value Calculation Model for Aircraft Rotable Components</b> <i>RD Wijayaratne, CY Kaluthantri, RMC Asanga, KCS Keeregala and WTS Rodrigo</i>
1550 – 1600 hrs	<b>A Novel Discrete Transform</b> <i>WA Gunarathna and HM Nasir</i>
1600 – 1625 hrs	Question and Answer Session
1625 – 1635 hrs	Summing up by the Chair

## BUILT ENVIRONMENT AND SPATIAL SCIENCES

### Session I: Architecture

*Venue: 3<sup>rd</sup> Floor, Faculty of Medicine*

Chairperson	<b>Dr Janaka Wijesundara</b> <i>Senior Lecturer, Department of Architecture, University of Moratuwa, Sri Lanka</i>
0830 – 0835 hrs	Introduction of the Chair
0835 – 0840 hrs	Preliminary Remarks by the Chair
0840 - 0855 hrs	<b>Manipulation of Thermal Mass with Natural Ventilation; Application for Residential Buildings in Tropics</b> <i>M Rajapaksha</i>
0855 - 0910 hrs	<b>Vitalization of Core City Area using Urban Catalyst as a Tool for Development: A Case of Colombo City Core</b> <i>N Lakmali</i>
0910 - 0925 hrs	<b>Implications of Using Salvaged Materials for Building Construction in Sri Lankan Context</b> <i>NH Premarathna</i>
0925 – 0940 hrs	<b>Creative City Planning; Integration of Cultural Assets in Planning the Vibrant City</b> <i>H Munasinghe</i>
0940 – 0955 hrs	Question and Answer Session
0955 – 1005 hrs	Summing up by the Chair
1005 – 1030 hrs	Refreshments

## BUILT ENVIRONMENT AND SPATIAL SCIENCES

### Session II: Quantity Surveying

*Venue: 3<sup>rd</sup> Floor, Faculty of Medicine*

Chairperson	<b>Mr GM Upul Shantha</b> <i>Chartered Quantity Surveyor, Vice President, Institute of Quantity Surveyors, Sri Lanka</i>
1030 – 1035 hrs	Introduction of the Chair
1035 – 1040 hrs	Preliminary Remarks by the Chair
1040 - 1055 hrs	<b>The Quantity Surveyor Adopts the Information Technology to Assist the Construction Delay Claims: A Case Study – Computer Generated Visualization of Construction of Club House</b> <i>AARK Amaratunga, BLSH Perera and WSS Fernando</i>
1055 - 1110 hrs	<b>A Review on Risk Management in Sustainable Construction</b> <i>U Gunarathna</i>
1110 - 1125 hrs	<b>Towards Dispute Resolution in Construction Contracts in Sri Lanka: What is Quantity Surveyor's Role on Dispute Avoidance rather than Dispute Resolution?</b> <i>AARK Amaratunga</i>
1125 – 1140 hrs	<b>Bamboo as a New Retrofitting Material for Existing Masonry Walls with Improving the Walls Aesthetic View</b> <i>BHJ Pushpakumara, WSW Mendis and S De Silva</i>
1140 – 1155 hrs	Question and Answer Session
1155 – 1205 hrs	Summing up by the Chair
1205 – 1300 hrs	Lunch

## BUILT ENVIRONMENT AND SPATIAL SCIENCES

### Session III: Spatial Sciences

*Venue: 3<sup>rd</sup> Floor, Faculty of Medicine*

Chairperson	<b>Dr HM Indika Prasanna</b> <i>Dean, Faculty of Geomatics, Sabaragamuwa University of Sri Lanka, Belihuloya, Sri Lanka</i>
1300 – 1305 hrs	Introduction of the Chair
1305 – 1310 hrs	Preliminary Remarks by the Chair
1310 - 1325 hrs	<b>Studying the Factors Affect for the Accuracy of Reflectorless Total Station Observations</b> <i>AMAR Geethalankara, AR Rupasinghe and NSC Niriella</i>
1325 - 1340 hrs	<b>Automatic Water Features Recognition from Satellite Images using an Artificial Neural Network</b> <i>MCK Arachchige and TL Dammalage</i>
1340 - 1355 hrs	<b>Urban Growth Analysis Using Remote Sensing and Geographic Information System with Shannon Entropy</b> <i>BMAN Dayarathna and IAKS Illeperuma</i>
1355 – 1410 hrs	<b>A GIS Based Approach for Landslide Susceptibility Mapping</b> <i>PGRNI Pussella, Lin Li, MHB Fernando, DS Munasinghe and CA Karadana</i>
1410 – 1435 hrs	Question and Answer Session
1435 – 1445 hrs	Summing up by the Chair
1445 – 1500 hrs	Refreshments

## BUILT ENVIRONMENT AND SPATIAL SCIENCES

### Session IV: Multidisciplinary

Venue: 3<sup>rd</sup> Floor, Faculty of Medicine

Chairperson	<b>Professor Mohd Razali Bin Mahmud</b> <i>Professor of Hydrography &amp; Head of Geocoastal Research Unit, Faculty of Geoinformation and Real State, Universiti Teknologi Malaysia, Malaysia</i>
1500 – 1505 hrs	Introduction of the Chair
1505 – 1510 hrs	Preliminary Remarks by the Chair
1510 - 1525 hrs	<b>Building Integrated Photovoltaic Potential in Monaragala, Sri Lanka</b> <i>T Mendis and KNK Pathirana</i>
1525 - 1540 hrs	<b>Development of a Mobile Application on Disaster Emergency Alertness Targeting Communities in Matara District, Sri Lanka</b> <i>KA Dinusha, GP Gunasinghe and RP Hapugoda</i>
1540 - 1555 hrs	<b>Effect on Physical Activity among Users of Walking Track under Wetland Conditions in Sub Urban Area in Sri Lanka</b> <i>LK Hirimuthugoda, P Karunapema, HP Madarasinghe and DWK Gayantha</i>
1555 – 1610 hrs	<b>Urbanisation and Climate Change; Adaptations and Mitigations to Achieve Resilience</b> <i>H Ranasinghe</i>
1610 – 1625 hrs	Question and Answer Session
1625 – 1635 hrs	Summing up by the Chair

## COMPUTING

### Session I: Computational Methods and Applications

Venue: 3<sup>rd</sup> Floor, Faculty of Medicine

Chairperson	<b>Professor Petr Skobelev</b> <i>Professor in System Analysis and Management, Samara State Technical University, Russia</i>
0830 – 0835 hrs	Introduction of the Chair
0835 – 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	<b>Development of Framework for E-Commerce Environment</b> <i>TD Samaranayake and WPI Pamarathne</i>
0850 - 0900 hrs	<b>Enabling User Level Customization for Tea Making</b> <i>SJMTI Senaviratne, B Hettige and DMR Kulasekara</i>
0900 - 0910 hrs	<b>An Integrated Framework for Opinion Mining and Summarization of Hotel Reviews</b> <i>KMA De Abrew, N Pathirage and DU Vidanagama</i>
0910 – 0920 hrs	<b>Automated Blood Counter (ABC): An Image Processing Solution</b> <i>JMDGCM Dodandeniya, N Pathirage and DMR Kulasekara</i>
0920 – 0930 hrs	<b>Mental Attitude of Ransomware among BYOD Users: Awareness Framework</b> <i>HAHV Halwatura and RPS Kathriarachchi</i>
0930 – 0940 hrs	<b>Microarray Based Multi Filter Fusion Gene Selection and Ensemble Classification of Leukemia Sub Types</b> <i>CL Edirimanna, TMKK Jinasena and EATA Edirisuriya</i>
0940 – 1005 hrs	Question and Answer Session
1005 – 1015 hrs	Summing up by the Chair
1015 – 1030 hrs	Refreshments

## COMPUTING

### Session II: Computing in Social Aspects

*Venue: 3<sup>rd</sup> Floor, Faculty of Medicine*

Chairperson	<b>Professor Dileeka Dias</b> <i>Dean, Faculty of Graduate Studies, University of Moratuwa, Sri Lanka</i>
1030 – 1035 hrs	Introduction of the Chair
1035 – 1040 hrs	Preliminary Remarks by the Chair
1040 - 1050 hrs	<b>Web Based Agricultural Irrigation Scheduling System for Batticaloa District, Sri Lanka</b> <i>A Narmilan and V Myouramokan</i>
1050 - 1100 hrs	<b>Low Cost Mobile Embedded Hybrid Solution for Help Blind to See: The Development of I Can See</b> <i>AHRP Mithrasena, SJMTI Senaviratne and RPS Kathriarachchi</i>
1100 - 1110 hrs	<b>Using Markov Processes for Efficient Project Management</b> <i>GTF de Silva and IF de Silva</i>
1110 – 1120 hrs	<b>HydroGIS Tool Structure: Neogeography Application Model</b> <i>RMM Pradeep and NTS Wijesekera</i>
1120 – 1130 hrs	<b>Use of Internet of Things (IoT) to Overcome Differently Abled Community Issues</b> <i>N Wedasinghe</i>
1130 – 1155 hrs	Question and Answer Session
1155 – 1205 hrs	Summing up by the Chair
1205 – 1300 hrs	Lunch

## COMPUTING

### Session III: Smart Solutions

*Venue: 3<sup>rd</sup> Floor, Faculty of Medicine*

Chairperson	<b>Dr Damith Wickramanayake</b> <i>Acting Head of School, School of Computing and IT University of Technology, Jamaica</i>
1300 – 1305 hrs	Introduction of the Chair
1305 – 1310 hrs	Preliminary Remarks by the Chair
1310 - 1320 hrs	<b>Diabetic Prediction System using Data Mining</b> <i>LHS De Silva, N Pathirage and TMKK Jinasena</i>
1320 - 1330 hrs	<b>Big Data and Hadoop: A Review</b> <i>LDSB Weerasinghe and B Hettige</i>
1330 - 1340 hrs	<b>ITray: Multi-agent Solution for LAN Based File Sharing</b> <i>LDSB Weerasinghe, B Hettige and RPS Kathriarachchi</i>
1340 – 1350 hrs	<b>Traffic Controlling in Unpredictable Environment using Multi-agent Systems</b> <i>DMNCS Dissanayake, ADAI Gunasekara and B Hettige</i>
1350 – 1400 hrs	<b>Dynamic Data Mining using Multi-agent Systems</b> <i>K Malpana, ADAI Gunasekara and AS Karunananda</i>
1400 – 1410 hrs	<b>Online Bus Ticket Reservation System to the National Transportation Service in Sri Lanka</b> <i>WMJH Fernando and SCM De S Sirisuriya</i>
1410 – 1435 hrs	Question and Answer Session
1435 – 1445 hrs	Summing up by the Chair
1445 – 1500 hrs	Refreshments

## COMPUTING

Session IV: **Cyber Evolution**  
 Venue: 3<sup>rd</sup> Floor, Faculty of Medicine

Chairperson	<b>Professor RGN Meegama</b> <i>Department of Computer Science, University of Sri Jayewardenepura, Sri Lanka</i>
1500 – 1505 hrs	Introduction of the Chair
1505 – 1510 hrs	Preliminary Remarks by the Chair
1510 - 1520 hrs	<b>Secure Collaborative Mobile Platform for Transmission and Archival of Medical Images</b> <i>TMKK Jinasena, RGN Meegama and RB Marasinghe</i>
1520 - 1530 hrs	<b>Kryptext- A Secure Communication Tool for Intelligence Operations</b> <i>HMT Paranagama, AR Ranwalage, KADKS Athukorala, DWHI De Silva and RMM Pradeep</i>
1530 - 1540 hrs	<b>Low-cost VoIP Solution for University PBX by using SPA3102</b> <i>AG Jayasundara, LDSB Weerasinghe, RMJCK Rajaguru and DK Wickramanayeke</i>
1540 – 1550 hrs	<b>Abstract Concepts: A Contemporary Requirement for Rich Internet Applications Engineering</b> <i>NR Dissanayake and GKA Dias</i>
1550 – 1600 hrs	<b>Market Basket Analysis: A Profit Based Approach to Apriori Algorithm</b> <i>WJ Samaraweera, CP Waduge and RGUI Meththananda</i>
1600 – 1625 hrs	Question and Answer Session
1625 – 1635 hrs	Summing up by the Chair

## MEDICINE

Session I: **Non-Communicable Diseases**  
 Venue: Mini-lecture Theatre, 4<sup>th</sup> Floor, Faculty of Medicine

Co-Chairpersons	<b>Lt Col (Dr) A Balasuriya</b> <i>Dean, Faculty of Allied Health Sciences, General Sir John Kotelawala Defence University, Sri Lanka</i>
	<b>Dr NFJ Fernando</b> <i>Head-Psychiatry, Department of Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University, Sri Lanka</i>
0830 – 0835 hrs	Introduction of the Chair
0835 – 0840 hrs	Preliminary Remarks by the Chair
0840 - 0855 hrs	<b>Usefulness of Assessing Fasting Blood Glucose, Serum Insulin, C-peptide and Insulin Resistance in Non-diabetic Adults, Adults with Shorter-duration Diabetes and Adults with Longer-duration Diabetes</b> <i>TKRR Senarathne, NP Dissanayake, LV Athiththan and UPK Hettiaratchi</i>
0855 - 0910 hrs	<b>Association of Markers of Obesity with Insulin Resistance and Type 2 Diabetes Mellitus in a Rural Female Population</b> <i>RGL Rathnayake, UPK Hettiaratchi and PPR Perera</i>
0910 - 0925 hrs	<b>The Diagnostic Value of NT Pro BNP on Severity of Chronic Heart Failure associated with Echocardiographic Measurements in Sri Lanka: A Preliminary Study</b> <i>KWW Dilshani, H Peiris, G Ranasinghe and PPR Perera</i>
0925 – 0940 hrs	<b>Impact of Crash Characteristics and Use of Safety Accessories on Injury Patterns among Motor Cycle Users Attending Teaching Hospital, Karapitiya, Galle, Sri Lanka</b> <i>J Warushahennadi, LH Dhammi, V De Silva and A Gamage</i>
0940 – 0950 hrs	Question and Answer Session
0950 – 1000 hrs	Summing up by the Chair
1000 – 1030 hrs	Refreshments

## MEDICINE

### Session II: Miscellaneous

Venue: Mini-lecture Theatre, 4<sup>th</sup> Floor, Faculty of Medicine

Co-Chairpersons	<p><b>Professor MAJ Jayawardene</b> <i>Professor of Obstetrics &amp; Gynaecology, Department of Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University, Sri Lanka</i></p> <p><b>Professor SW Wimalasekara</b> <i>Head-Physiology, Department of Pre-Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University, Sri Lanka</i></p>
1030 – 1035 hrs	Introduction of the Chair
1035 – 1040 hrs	Preliminary Remarks by the Chair
1040 - 1055 hrs	<p><b>Role of Microorganisms in Lumbar Disc Herniation</b> <i>ND Withanage, MVSC Pathirage, S Perera, H Peiris and LV Athiththan</i></p>
1055 - 1110 hrs	<p><b>Emotional Intelligence in Medical Students: Preliminary Results of an Ongoing Study at the University of Peradeniya, Sri Lanka</b> <i>D Edusssuriya, KN Marambe, SK Ubhayasiri, RMISD Rathnayake, BG Premarathne and S Tennakoon</i></p>
1110 - 1125 hrs	<p><b>Situational Analysis–Implementation of Hospital Information System (HIS) in University Hospital – KDU (UHKDU), Sri Lanka</b> <i>HHLK Fernando, G Wikramanayake, T Sahama and K Edirisingha</i></p>
1125 – 1140 hrs	<p><b>Euthanasia: To Kill or not to Kill - That is the Question</b> <i>MLM Cooray and BAHC Mendis</i></p>
1140 – 1150 hrs	Question and Answer Session
1150 – 1200 hrs	Summing up by the Chair
1200 – 1300 hrs	Lunch

## MEDICINE

### Session III: Child and Adolescent Health

Venue: Mini-lecture Theatre, 4<sup>th</sup> Floor, Faculty of Medicine

Co-Chairpersons	<p><b>Senior Professor Nandani de Silva</b> <i>Senior Professor of Family Medicine, Department of Para-Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University, Sri Lanka</i></p> <p><b>Dr GDI Rodrigo</b> <i>Senior Lecturer in Paediatrics, Department of Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University, Sri Lanka</i></p>
1300 – 1305 hrs	Introduction of the Chair
1305 – 1310 hrs	Preliminary Remarks by the Chair
1310 - 1325 hrs	<p><b>Home Environmental Factors Contributing to Stress among Adolescents in Colombo District Sri Lanka - Preliminary Results</b> <i>LS Kaththiriarachchi, DC Hewage, SW Wimalasekera, ALS Mendis and R Ranjan</i></p>
1325 - 1340 hrs	<p><b>Knowledge and Attitudes regarding Breast Feeding and Child Care Arrangements among the Female Staff of the Kotelawela Defence University (KDU), Sri Lanka</b> <i>JDS Manoharee, S Abeygunawardhane, C Lokuhewage, T Wickramasinghe and OGW Muthukumarana</i></p>
1340 - 1355 hrs	<p><b>Zinc and Copper Status and their Effects on Growth of <math>\beta</math> Thalassemia Major Patients</b> <i>AMDS Karunaratna, JGS Ranasinghe and RM Mudiyanse</i></p>
1355 – 1410 hrs	<p><b>A Child with Imperforate Anus for Twelve Years: A Case Report of Chronic Child Abuse</b> <i>AN Vadysinghe and WMMHP Wickramasinghe</i></p>
1410 – 1435 hrs	Question and Answer Session
1435 – 1445 hrs	Summing up by the Chair
1445 – 1500 hrs	Refreshments

## MEDICINE

### Session IV: Biomedical Research

Venue: Mini-lecture Theatre, 4<sup>th</sup> Floor, Faculty of Medicine

Co-Chairpersons	<b>Senior Professor BMR Fernandopulle</b> <i>Senior Professor of Pharmacology, Department of Para-Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University, Sri Lanka</i>
	<b>Professor J Welihinda</b> <i>Head of Department, Department of Pre-Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University, Sri Lanka</i>
1500 – 1505 hrs	Introduction of the Chair
1505 – 1510 hrs	Preliminary Remarks by the Chair
1510 - 1525 hrs	<b>Preparation, Characterization and <i>In vitro</i> Release Study of Iron Loaded Alginate Nanoparticles</b> <i>NP Katuwavila, ADLC Perera, D Dahanayake, V Karunaratne and DN Karunaratne</i>
1525 - 1540 hrs	<b>Chronic Anti-inflammatory Activity of <i>Rasna saphthakaya</i> Decoction with and without Dried Ginger Powder in Adjuvant Induced Arthritic Rats</b> <i>R Sanjeev, TS Suresh and JM Dahanayake</i>
1540 - 1555 hrs	<b>Epidemiological Study on Snake Bites in Dogs Presented to the Veterinary Teaching Hospital, Peradeniya, Sri Lanka</b> <i>AMRB Adhikari, ID Silva, DDN de Silva, MGCM Jayasinghe, AMSM Wickramarathne, A Dangolla, TMSK Piyadasa and I Gawarammana</i>
1555 – 1610 hrs	<b>Therapeutic Importance and Safety Assessment of Aqueous Extracts of <i>Sargassum crassifolium</i> and <i>Ulva lactuca</i> in Wound Healing</b> <i>AD Premarathna, SK Wijesekera, RN Waduge and RPVJ Rajapakse</i>
1610 – 1620 hrs	Question and Answer Session
1620 – 1630 hrs	Summing up by the Chair

## BASIC AND APPLIED SCIENCES

### Session I: Natural products

Venue: 4<sup>th</sup> Floor, Faculty of Medicine

Chairperson	<b>Professor J Welihinda</b> <i>Head of Department, Department of Pre-Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University, Sri Lanka</i>
0830 – 0835 hrs	Introduction of the Chair
0835 – 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	<b><i>In vitro</i> Antioxidant, Anticancer and Anti-inflammatory Properties of the Solvent Fractions of Three Intertidal Marine Flora Harvested from Kalpitiya, Sri Lanka</b> <i>KW Samarakoon, IPS Fernando, UKDSS Gunesekara, P Ranasinghe, GAS Premakumara and YJ Jeon</i>
0850 - 0900 hrs	<b>“Makulu Ata Lepaya”; A promising Ayurvedic Antiseptic</b> <i>BGV Thushani and EAAD Edirisinghe</i>
0900 - 0910 hrs	<b>Antibacterial Activity of Selected Sri Lankan Traditional Rice Varieties against Bacteria causing Skin Infections</b> <i>T Kariyawasam, P Godakumbura, MAB Prashantha, N Fernando and GAS Premakumara</i>
0910 – 0920 hrs	<b>Oral Diuretic Activity of Water Extract of H-grade Quills of <i>Cinnamomum zeylanicum</i> Blume in Rats</b> <i>GU Jayaweera, PTR Makuloluwa, TRK Perera, KRJK Amararathne, GAS Premakumara and WD Ratnasooriya</i>
0920 – 0930 hrs	<b>Characterization and Identification of Yeasts from Raw Cows’ Milk and Fermented Dairy Foods</b> <i>DU Rajawardana, SKMRA Athurupana, IGN Hewajulige and CM Nanayakkara</i>
0930 – 0945 hrs	Question and Answer Session
0945 – 1005 hrs	Summing up by the Chair
1005 – 1030 hrs	Refreshments

## BASIC AND APPLIED SCIENCES

### Session II: Drugs and Vaccination

*Venue: 4<sup>th</sup> Floor, Faculty of Medicine*

Chairperson	<b>Professor Roshan Perera</b> <i>Director, Institute for Combinatorial Advanced Research and Education, General Sir John Kotelawala Defence University, Sri Lanka</i>
1030 – 1035 hrs	Introduction of the Chair
1035 – 1040 hrs	Preliminary Remarks by the Chair
1040 - 1050 hrs	<b>Immunogenicity of Bioinformatically Predicted Linear Epitopes of Premembrane (prM) Protein of Dengue</b> <i>MN Nadugala, C Jeewandara, GN Malavige, PH Premaratne and CL Goonasekara</i>
1050 - 1100 hrs	<b>Drug Regimen Based Immunomodulation of Balb/c mice for Xenotransplantation</b> <i>PU Santhiyago, RT Mayadunne and KMGP Premadasa</i>
1100 - 1110 hrs	<b>Evaluating Bioequivalence of Two Capsule Formulations of Amoxicillin in Healthy Sri Lankan Population using HPLC</b> <i>PH Premaratne,, KMGP Premadasa, TN Adikari, NBS Deshani, USH Liyanage, HHLK Fernando, RANK Wijesinghe, CL Goonasekara, J Welihinda, AAP Keerthi, RP Perera and BMR Fernandopulle</i>
1110 – 1120 hrs	<b>Determination of the Most Sensitive Protein Precipitation Method for Extraction of Amoxicillin from Plasma Samples using High Performance Liquid Chromatography (HPLC)</b> <i>WSH Erandika, TN Adikari, KMGP Premadasa and PH Premaratne</i>
1120 – 1130 hrs	<b>Development of a New Optimized Probiotic Food Applying Response Surface Methodology</b> <i>DU Rajawardana, PN Raju, HM Rashmi and S Ganguli</i>
1130 – 1155 hrs	Question and Answer Session
1155 – 1205 hrs	Summing up by the Chair
1205 – 1300 hrs	Lunch

## BASIC AND APPLIED SCIENCES

### Session III: Computing and Physical Sciences

*Venue: 4<sup>th</sup> Floor, Faculty of Medicine*

Chairperson	<b>Dr (Mrs) M Edussuriya</b> <i>Senior Lecturer, Department of Chemistry, Faculty of Science, University of Ruhuna, Sri Lanka</i>
1300 – 1305 hrs	Introduction of the Chair
1305 – 1310 hrs	Preliminary Remarks by the Chair
1310 - 1320 hrs	<b>Performance Evaluation of Division Algorithms in FPGA</b> <i>KS Mannatunga and MDR Perera</i>
1320 - 1330 hrs	<b>Advanced Electron Microscopy Study on Nanohydroxyl Apatite-urea System</b> <i>D Dahanayake, S Gunasekara, N Kottegoda and V Karunaratne</i>
1330 - 1340 hrs	<b>Investigating Possibility of using Indigenous Oils as Dielectric Liquids for Electrical Insulation</b> <i>KAM Jeewanthi, HH Sumathipala and LBDRP Wijesundara</i>
1340 – 1350 hrs	<b>Optimisation of Photoactive Properties of ZnO by Electro Deposition</b> <i>HTN Padmini, KMDC Jayathilaka, LSR Kumara, S Kohara, O Sakata, RP Wijesundara and W Siripala</i>
1350 – 1400 hrs	<b>Place-exchange of Alkanethiols on Citrate Capped Gold Nano Particles</b> <i>KB Gunawardana, A Singh, LA Bumm and RL Halterman</i>
1400 – 1415 hrs	Question and Answer Session
1415 – 1425 hrs	Summing up by the Chair
1425 – 1500 hrs	Refreshments



## BASIC AND APPLIED SCIENCES

### Session IV: **Multidisciplinary** Venue: 4<sup>th</sup> Floor, Faculty of Medicine

Chairperson	<b>Mrs DABN Amarasekara</b> <i>Senior Lecturer, Department of Crop Science, Faculty of Agriculture, University of Ruhuna, Sri Lanka</i>
1500 – 1505 hrs	Introduction of the Chair
1505 – 1510 hrs	Preliminary Remarks by the Chair
1510 - 1520 hrs	<b>The Effect of Relaxation and Concentration on the Performance of Archers in Sri Lanka Army</b> <i>WMWAB Wickramanayake, SJ Perera, HACS Hapuarachchi and HR Wickramasinghe</i>
1520 - 1530 hrs	<b>Prediction of International Tourist Arrivals to Sri Lanka using State Space Modelling Method: An Empirical Study after the Civil War</b> <i>SR Gnanapragasam, TMJA Cooray and RA Dissanayake</i>
1530 - 1540 hrs	<b>Feasibility of Long Term Bulk Paddy Storage Method for Local Conditions</b> <i>WMCB Wasala, CAK Dissanayake, RMNA Wijewardhane, CR Gunawardhane, HMAP Rathnayake and TMR Dissanayake</i>
1540 – 1550 hrs	<b>Gherkin Fermentation: Microbiota Associated with Fermentation Process and White Spot Formation</b> <i>RD Widanagamage and SI Abegunawardena</i>
1550 – 1600 hrs	<b>Short Term Exposure to WAF of Crude Oil Induces Pathologic Lesions in Guppy (<i>Poecilia reticulata</i>) Fries: A Freshwater Study</b> <i>KIG Hewavitharana, SHNP Gunawickrama and KBS Gunawickrama</i>
1600 – 1625 hrs	Question and Answer Session
1625 – 1635 hrs	Summing up by the Chair

## ALLIED HEALTH SCIENCES

### Session I: **Radiography and Occupational Therapy** Venue: 4<sup>th</sup> Floor, Faculty of Medicine

Chairperson	<b>Dr AS Pallewatte</b> <i>Senior Consultant Radiologist, Department of Neurosurgery, National Hospital of Sri Lanka</i>
0830 – 0835 hrs	Introduction of the Chair
0835 – 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	<b>Comparison of Exposure Parameters in Digital Breast Tomosynthesis (DBT) and Full Field Digital Mammography (FFDM)</b> <i>HDNS Hathurusinghe, HS Niroshani and R Tudugala</i>
0850 - 0900 hrs	<b>Determination of Effective Image Pixel Sampling Methodology in MRI, T1 calculations; Simulation Study</b> <i>RMUKGMS Bandara and JP Wansapura</i>
0900 - 0910 hrs	<b>Evaluation and Comparison of Thyroid Gland Receiving Surface Dose in Dental Radiography</b> <i>RA Weerasinghe, RD Jayasinghe and S Kulatunga</i>
0910 – 0920 hrs	<b>The Prevalence of Occupational Injuries and Preventive Practices among Gem Mining Workers In Eheliyagoda Pradeshiya Sabha Division, Sri Lanka</b> <i>SSP Warnakulasuriya and WLK Abhayarathna</i>
0920 – 0930 hrs	<b>Awareness on Venomous Snake Bites, Associated Risks and Behaviours of the Victims following Snake Bites in a Selected Rural Area, Sri Lanka</b> <i>HMP Herath, BMHSK Banneheka, AMMC Amarakoon and RMAS Bandara</i>
0930 – 0945 hrs	Question and Answer Session
0945 – 1005 hrs	Summing up by the Chair
1005 – 1030 hrs	Refreshments

## ALLIED HEALTH SCIENCES

### Session II: Physiotherapy

*Venue: 4<sup>th</sup> Floor, Faculty of Medicine*

Chairperson	<b>Lt Col (Dr) A Balasuriya</b> <i>Dean, Faculty of Allied Health Sciences, General Sir John Kotelawala Defence University, Sri Lanka</i>
1030 – 1035 hrs	Introduction of the Chair
1035 – 1040 hrs	Preliminary Remarks by the Chair
1040 - 1050 hrs	<b>Prevalence and Associated Factors of Tendency to Fall among the Residents in the Elderly Homes in Ratmalana and Maharagama Divisional Secretariat Areas, Sri Lanka</b> <i>HPM Dabare and C Arambepola</i>
1050 - 1100 hrs	<b>Association between Cognition, Quality of Life and Physical Activity in a Sample of Physically Independent Institutionalized Elderly People in Galle District, Sri Lanka</b> <i>MWK Gamage, DC Hewage and KD Pathirana</i>
1100 - 1110 hrs	<b>The Influence of Menopausal Status on Performance Based Measures of Physical Functions in Middle Aged Women</b> <i>RHMPN Rathnayake, S Lekamwasam, LWGR Alwis and RSJ Lenora</i>
1110 – 1120 hrs	<b>Prevalence and Perceived Associated Factors on Low Back Pain (LBP) among Theatre Nurses in Three Teaching Hospitals in Western Province of Sri Lanka</b> <i>WGMMAC Wijeweera, DLL Dias, DGK Krishanthi and KGPK Munidasa</i>
1120 – 1130 hrs	<b>Prevalence and Determinants of Falls among Elderly</b> <i>UGN Priyadarshani, LWGR Alwis and RHMPN Rathnayake</i>
1130 – 1155 hrs	Question and Answer Session
1155 – 1205 hrs	Summing up by the Chair
1205 – 1300 hrs	Lunch

## ALLIED HEALTH SCIENCES

### Session III: Pharmacy

*Venue: 4<sup>th</sup> Floor, Faculty of Medicine*

Chairperson	<b>Senior Professor BMR Fernandopulle</b> <i>Professor in Pharmacology, Department of Para-Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University, Sri Lanka</i>
1300 – 1305 hrs	Introduction of the Chair
1305 – 1310 hrs	Preliminary Remarks by the Chair
1310 - 1320 hrs	<b>Effect of Different Types of Water on the Stability of Reconstituted Amoxicillin Oral Suspensions Available in Jaffna District, Sri Lanka</b> <i>R Kamsayini, SN Thiyahiny and V Ajeethan</i>
1320 - 1330 hrs	<b>Evaluation of the Effect of Cold Water Extract of New Herbal Formulation on Serum Lipid Levels in the Management of Hyperlipidaemia</b> <i>WAI Pushpamali and WAL Chandrasiri</i>
1330 - 1340 hrs	<b>A Clinical Study on the Efficacy of Traditional Herbal Formulation (DT<sub>6</sub>) in the Management of Hyperglycemia</b> <i>WAI Pushpamali, PGI Dhananjani and NWGND Gamlath</i>
1340 – 1350 hrs	<b>Anti-histamine Activity of <i>Acronychia pedunculata</i> Leaves</b> <i>WMKM Ratnayake, UG Chandrika, TS Suresh, AM Abeysekera and N Salim</i>
1350 – 1400 hrs	<b>Practices Regarding use of Insulin among Diabetic Patients in Five Selected Hospitals in Colombo District, Sri Lanka</b> <i>DS Wijesinghe, RL Pathirana and PPR Perera</i>
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: 4<sup>th</sup> Floor, Faculty of Medicine*

Chairperson	<b>Senior Professor MH Rezvi Sheriff</b> <i>Senior Professor of Medicine, Department of Clinical Sciences, General Sir John Kotelawala Defence University, Sri Lanka</i>
1500 – 1505 hrs	Introduction of the Chair
1505 – 1510 hrs	Preliminary Remarks by the Chair
1510 - 1520 hrs	<b>A Model to Reduce Wastages and Manage the Inventory of the Blood Banks Efficiently</b> <i>DMS Kumari and A Wijayanayake</i>
1520 - 1530 hrs	<b>Case report: The First Peripheral Blood Stem Cell Transplantation for Multiple Myeloma in Sri Lanka</b> <i>DU Kottahachchi and RS Jayatilake</i>
1530 - 1540 hrs	<b>Distribution and Favorable Conditions for Leishmaniasis in Sri Lanka</b> <i>DR Fernando, JMKB Jayasekara and R Tudugala</i>
1540 – 1550 hrs	<b>Epidemiological Characteristics of CKDu Patients in Recently Emerged Foci in Sri Lanka – Wilgamuwa</b> <i>NA Sanjeevani, NNPGK Nanayakkara, AAMDDN Amarathunga and JMKB Jayasekera</i>
1550 – 1600 hrs	<b>Quality of Life and Satisfaction with Care among Patients Undergoing Dialysis Treatment</b> <i>MPHK Dias, SMEB Weerathunga and SK Goonesinghe</i>
1610 – 1625 hrs	Question and Answer Session
1625 – 1635 hrs	Summing up by the Chair

## ALLIED HEALTH SCIENCES

### Parallel Session I: Nursing

*Venue: 4<sup>th</sup> Floor, Faculty of Medicine*

Chairperson	<b>Dr RANK Wijesinghe</b> <i>Head of Department, Department of Clinical Sciences, General Sir John Kotelawala Defence University, Sri Lanka</i>
0830 – 0835 hrs	Introduction of the Chair
0835 – 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	<b>Utilization Pattern of Self-medication among Allied Health Undergraduates with Focus on Knowledge and Attitudes</b> <i>RHMPN Rathnayake, TUW Abeygunasekara, KKPM de Silva, ADSS Karunanayake and KG Imendra</i>
0850 - 0900 hrs	<b>A Study on Knowledge and Practices related to Prevention of Needle Stick Injuries among Nurses in Intensive Care Units of Kandy Teaching Hospital, Sri Lanka</b> <i>EWAIM Siriwardana, WNS Herath, YMWDK Yapa and KGPK Munidasa</i>
0900 - 0910 hrs	<b>Awareness of Smoking among Patients with Ischemic Heart Disease attending Medical Clinics in Teaching Hospital, Karapitiya, Sri Lanka</b> <i>WGC Kumara and MB Samarawickrama</i>
0910 – 0920 hrs	<b>Prevalence of Obesity among Healthy Pre and Postmenopausal Women; Data from Southern Sri Lanka</b> <i>RHMPN Rathnayake, S Lekamwasam, LWGR Alwis and RSJ Lenora</i>
0920 – 0930 hrs	<b>Prevalence and Types of Injuries among Patients admitted to the Accident and Orthopedic Service (AOS), National Hospital Sri Lanka (NHSL)</b> <i>SSP Warnakulasuriya and GHPDS Wijerathne</i>
0940 – 0955 hrs	Question and Answer Session
0955 – 1005 hrs	Summing up by the Chair
1005 – 1030 hrs	Refreshments

## ALLIED HEALTH SCIENCES

### Parallel Session II: Nursing Venue: 4<sup>th</sup> Floor, Faculty of Medicine

Chairperson	<b>Dr Neil Fernando</b> <i>Head- Psychiatry, Department of Clinical Sciences, General Sir John Kotelawala Defence University, Sri Lanka</i>
1030 – 1035 hrs	Introduction of the Chair
1035 – 1040 hrs	Preliminary Remarks by the Chair
1040 - 1050 hrs	<b>Assessment of Knowledge, Associated Factors and Prevalence of Health Problems related to Usage of Mobile Phones among a Population of 2<sup>nd</sup> and 3<sup>rd</sup> year Undergraduates in University of Sri Jayewardenepura: A Cross Sectional Study</b> <i>TLC Lasanthika and UPK Hettiaratchi</i>
1050 - 1100 hrs	<b>Cognitive Functions and Body Mass Index: Is there a Relationship? Preliminary Study among a Sample of Periurban Young Adults in Colombo District, Sri Lanka</b> <i>RDN Karunathilaka, DC Hewage, SW Wimalasekera and AATD Amarasekera</i>
1100 - 1110 hrs	<b>Knowledge, Attitude and Practice on Health Education among Nursing Students at College of Nursing, Jaffna, Sri Lanka</b> <i>RR Renusius, D Thabotharan and PAD Coonghe</i>
1110 – 1120 hrs	<b>Factors Associated with Constipation among Patients Admitted to Female Medical Wards at the Teaching Hospital, Jaffna, Sri Lanka</b> <i>P Jasothara, D Thabotharan and K Sivapalan</i>
1120 – 1130 hrs	<b>Epidemiological Characteristics of the Leptospirosis Patients in Anuradhapura District, Sri Lanka</b> <i>RDN Karunathilaka, JMKB Jayasekera, P Bandara, TMML Thennakoon, ARN Silva and AMAR Geethalankara</i>
1130 – 1150 hrs	<b>Education Environment for Health-care Education at Eastern University, Sri Lanka</b> <i>P Youhasan and T Sathananthan</i>
1150 – 1205 hrs	Question and Answer Session
1205 – 1215 hrs	Summing up by the Chair
1215 – 1300 hrs	Lunch

## LAW

### Session I: Rights of Employers and Industrial Relations Venue: Main Auditorium, Academic Building

Chairperson	<b>Mr Geoffery Alagaratnam, PC</b> <i>President of the Bar Association of Sri Lanka</i>
0830 – 0835 hrs	Introduction of the Chair
0835 – 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	<b>Maternity Benefit Laws for Sri Lankan Female Employees; Reference to Maternity Benefits Ordinance and the Shop and Office Employees Act</b> <i>KK Witharama</i>
0850 - 0900 hrs	<b>Reciprocity of Legal Regimes; Status of Common Law and Statutory Law in the Relationship of Employer - Employee</b> <i>NKK Mudalige</i>
0900 - 0910 hrs	<b>Sufficiency of Employment Maternity Benefits Law in Sri Lanka: Comparative Study with European Union Discrimination Law</b> <i>BMKS Balasuriya</i>
0910 – 0920 hrs	<b>Pricing children: Child Labour at a Different Level</b> <i>BC Eliyadura</i>
0920 – 0930 hrs	<b>Blind Mind: An Analysis on Education Rights Infringement of Child Soldiers</b> <i>S Bulathwela</i>
0930 – 0950 hrs	Question and Answer Session
0950 – 1000 hrs	Summing up by the Chair
1000 – 1030 hrs	Refreshments

## LAW

Session II: **Emerging Trends in Intellectual Property Law, Information and Communication Technology Law and Business Law in the Light of National Security**  
*Venue: Main Auditorium, Academic Building*

Chairperson	<b>Justice RKS Suresh Chandra, PC</b> <i>Resident Justice of Appeal in Fui and Former Judge of the Supreme Court Sri Lanka</i>
1015 – 1030 hrs	Introduction of the Chair
1035 – 1040 hrs	Preliminary Remarks by the Chair
1040 – 1050 hrs	<b>Use of Intellectual Property Rights as Collaterals for Promoting Small and Medium Sized Enterprise (SME) Sector: Lessons for Sri Lanka</b> <i>P Wijesooriya</i>
1050 – 1100 hrs	<b>Sale of Goods Ordinance No 11 of 1896: A Call for Reforms</b> <i>Y Wijerathna</i>
1100 – 1110 hrs	<b>Applicability of Conventional Contract Law Rules to Contracts Made Online: A Critical Analysis of Rules on Offer and Acceptance</b> <i>AM Kumarage</i>
1110 -1120 hrs	<b>Contracting in Cyber Space: A Comparative Analysis of Electronic Transaction Law in Sri Lanka</b> <i>BARR Ariyaratna</i>
1120 – 1130 hrs	<b>The Impact on Electronic Transactions on Income Taxation</b> <i>RPD Pathirana</i>
1130 – 1150 hrs	Question and Answer Session
1150 – 1200 hrs	Summing up by the Chair
1200 – 1300 hrs	Lunch

## LAW

Session III: **Role of Legal Professionals in the Conservation of Nature and Ecology in Domestic and Global Settings**  
*Venue: Main Auditorium, Academic building*

Chairperson	<b>Professor Balakista Reddy</b> <i>Professor of International Law, Centre for Air and Space Law, National Academy of Law Studies and Research (NALSAR), Hyderabad, India</i>
1300 -1305 hrs	Introduction of the Chair
1305 -01310 hrs	Preliminary Remarks by the Chair
1310 – 1320 hrs	<b>“Sethusamundram Ship Canal Project adverse to Sri Lanka” Legal and Environmental Impact on Sri Lanka</b> <i>SC Withana and CV Liyanawatte</i>
1320 – 1330 hrs	<b>A Comparative Analysis on Curbing Illegal Sand Mining in Sri Lanka: In light of Environmental Law</b> <i>MDM Cooray and PBK Gamage</i>
1330 – 1340 hrs	<b>Are They Set to Lose Out in Others’ Gains? An Analysis of Livelihood Security in Acquisition of Lands in Sri Lanka</b> <i>LM De Silva</i>
1340 – 1350 hrs	<b>Critical Analysis of the Article IV of the Outer Space Treaty and its Relevance for the Present Day</b> <i>RMTSK Rathnayake</i>
1350 – 1340 hrs	<b>Implementation of ICCPR in Sri Lanka: Impediments and Prospects</b> <i>BKM Jayasekera and AA Edirisinghe</i>
1400 – 1420 hrs	Question and Answer Session
1420 – 1430 hrs	Summing up by the Chair
1430 – 1500 hrs	Refreshments

## LAW

### Session IV: Constitutional Reforms and Obligations under International Human Rights and International Humanitarian Legal Regimes

Venue: Main Auditorium, Academic building

Chairperson	<b>Professor Miriam Estrada Castillo</b> <i>Resident Professor of International Law, Department of International Law and Human Rights, United Nations University for Peace, Costa-Rica</i>
1500 – 1505 hrs	Introduction of the Chair
1505 – 1510 hrs	Preliminary Remarks by the Chair
1510 – 1520 hrs	<b>An Analysis of Legal Issues Regarding Nomination of Successor of Land Development (Amendment) Act No. 16 of 1969 in Light of the Constitutional Right to Equality</b> <i>PRSM Peramune</i>
1520 – 1520 hrs	<b>Substantive Equality as a Universal Remedy to Eliminate Gender Stereotypes: Snakes and Ladders</b> <i>H Rathnamalala</i>
1530 – 1540 hrs	<b>The Challenging Scope of Protecting and Promoting Human Rights in the Context of Counter Terrorism: Sri Lankan Perspective</b> <i>DP Aluthge</i>
1540 – 1550 hrs	<b>Balancing Right to Environment and Right to Development using the Public Trust Doctrine: Special Reference to Sustainable Development in Sri Lanka</b> <i>UAHH Udagearachchi</i>
1550 – 1600 hrs	<b>Protection of the Rights of the Victims of Environmental Crimes: A Brief Review of the Contribution of International Human Rights Law</b> <i>MADSJS Niriella</i>
1600 - 1620 hrs	Question and Answer Session
1620 - 1630 hrs	Summing up by the Chair

## LAW

### Parallel Session I: Law, Democracy and Good Governance and Their Implications on National Security

Venue: Lecture Theatre, First Floor, Academic Building

Chairperson	<b>Mr Raja Goonaratne</b> <i>Senior Lecturer, Open University of Sri Lanka</i>
0830 – 0835 hrs	Introduction of the Chair
0835 – 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	<b>An Assessment on Interpretational Approach of Sri Lankan Judiciary to Promote Demosprudence: The Way Forward</b> <i>UAT Udayanganie</i>
0850 - 0900 hrs	<b>Role of International Law in a Unipolar World: Disparity between Enforcement and Existence of Obligations</b> <i>S Kodithuwakku</i>
0900 - 0910 hrs	<b>The Post Legislative Scrutiny Generates People Friendly Laws</b> <i>NS Ekanayake and P Mahanamahewa</i>
0910 – 0920 hrs	<b>Articulating Rights Consciousness: Reinterpreting the Frontiers of the Concept of Substantive Legitimate Expectations as a Ground of Judicial Review in Sri Lanka</b> <i>CS Gunasekera</i>
0920 – 0930 hrs	<b>The Enlightenment of Fundamental Rights in Sri Lanka: Bringing Law and Religion to One Platform</b> <i>RM Kuruwitabandara</i>
0930 – 0950 hrs	Question and Answer Session
0950 – 1000 hrs	Summing up by the Chair
1000 – 1030 hrs	Refreshments

## LAW

### Parallel Session II: Delictual Liability and Right to Compensation

*Venue: Lecture Theatre, First Floor, Academic Building*

Chairperson	<b>Mr Chandana Liyanapatabandy, PC</b> <i>Senior Counsel of the Supreme Court</i>
1030 – 1035 hrs	Introduction of the Chair
1035 – 1040 hrs	Preliminary Remarks by the Chair
1040 - 1050 hrs	<b>Implications of Adopting the principle of informed Consent in Sri Lankan Medical Malpractice Law: A Critical Analysis in the Light of Montgomery V. Lanarkshire Health Board (2015) UKSC 11</b> <i>GD Gunawardena</i>
1050 - 1100 hrs	<b>Privacy of Personal Health Information as a Patients' Right in Sri Lanka</b> <i>UM Sapukotana</i>
1100 - 1110 hrs	<b>Best Interest through the Lens of Shared Parental Responsibility; A New Model for Child Custody Determinations in Sri Lanka</b> <i>KNT Dayarathna</i>
1110 – 1120 hrs	<b>Title Registration System in Sri Lanka; Comparative Study of Law in Austria and Ghana</b> <i>N Illinganthilaka and P Mahanamahewa</i>
1120 – 1130 hrs	<b>Beyond the Frame; Adopting Polluter Pays Principle to Regulate the e-Waste in Sri Lanka, Nation Secured from e-Waste</b> <i>WJMHCJ Bandara</i>
1130 – 1150 hrs	Question and Answer Session
1150 – 1200 hrs	Summing up by the Chair
1200 – 1300 hrs	Lunch

## MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

### Session I: National Integration through Education and Risk Management

*Venue: Conference room, Faculty of Defence and Strategic Studies, Academic Building*

Chairperson	<b>Professor Atula Ranasinghe</b> <i>Dean, Faculty of Arts, University of Colombo, Sri Lanka</i>
0830 – 0835 hrs	Introduction of the Chair
0835 – 0840 hrs	Preliminary Remarks by the Chair
0840 - 0855 hrs	<b>The Impact of Demographic and Socio-Economic Factors on Mobile Internet Adoption in IT literate Community in Sri Lanka</b> <i>A Ratnayake and P Dunusinghe</i>
0855 - 0910 hrs	<b>Effectiveness of Using E-learning on the Z-Score of A/L Students in Sri Lanka</b> <i>W Premarathne, J Ranasinghe and VD Kithsiri</i>
0910 - 0925 hrs	<b>A new Scheme of School Clustering for Better Management: a Study on Grade V Scholarship Examination Results in Gampaha District, Sri Lanka</b> <i>RMATK Rathnayake and RAB Abeygunawardana</i>
0925 – 0940 hrs	<b>Application of Protective Motivation Theory in Cyber Safety Context: Human Factor in Risk Mitigation</b> <i>MAVS Edirisuriya and LS Liyanage</i>
0940 – 0955 hrs	Question and Answer Session
0955 – 1005 hrs	Summing up by the Chair
1005 – 1030 hrs	Refreshments

## MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

### Session II: Exploring the Prospects of Tourism, Development and Quality of Life

*Venue: Conference room, Faculty of Defence and Strategic Studies, Academic Building*

Chairperson	<b>Dr WM Premachandra</b> <i>Independent Consultant and a Visiting Researcher, School of Earth and Environmental Sciences (SEES), University of Portsmouth, UK</i>
1030 – 1035 hrs	Introduction of the Chair
1035 – 1040 hrs	Preliminary Remarks by the Chair
1040 - 1055 hrs	<b>Tug of War between Work and Family and its Relationship with Job Satisfaction: a Moderating Role of Income</b> <i>N Kengatharan</i>
1055 - 1110 hrs	<b>Identification of Land Use Changes with Urban Development in Palmadulla Town Area, Sri Lanka</b> <i>LGDS Yapa, PAE Maheshika and WMG Chandralatha</i>
1110 - 1125 hrs	<b>Forecasting Tourist Arrivals from Asian Countries to Sri Lanka</b> <i>KMUB Konarasinghe</i>
1125 – 1140 hrs	<b>Factors Affecting Technological Competitiveness in the Green Practices in the Hotel Industry of Sri Lanka</b> <i>WME Wijesinghe, GD Samarasinghe and GN Kuruppu</i>
1140 – 1155 hrs	Question and Answer Session
1155 – 1205 hrs	Summing up by the Chair
1205 – 1300 hrs	Lunch

## MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

### Session III: Unraveling the Issues of Gender, Identity and International Policies

*Venue: Conference room, Faculty of Defence and Strategic Studies, Academic Building*

Chairperson	<b>Professor Nayani Melagoda</b> <i>Professor in International Relations, Dean, Faculty of Graduate Studies, University of Colombo, Sri Lanka</i>
1300 – 1305 hrs	Introduction of the Chair
1305 – 1310 hrs	Preliminary Remarks by the Chair
1310 - 1325 hrs	<b>Analytical Study of the Factors Affecting on Fashion Selection and its Designs by the Women in Colombo District, Sri Lanka</b> <i>PMM Fernando and UG Rajapaksha</i>
1325 - 1340 hrs	<b>Sexuality as a Taboo: Social Exclusion Faced by LGT and Sex Workers in Sri Lanka</b> <i>HUS Samaraweera and BGIM Samarasinghe</i>
1340 - 1355 hrs	<b>Theory and Praxis: Anarchy Vs Security in International Relations</b> <i>K Wijayabahu</i>
1355 – 1410 hrs	<b>Queer Activism and Identity of Sexual Minorities: A Situation Analysis of India and Sri Lanka</b> <i>A Bhattacharyya and KERL Fernando</i>
1410 – 1435 hrs	Question and Answer Session
1435 – 1445 hrs	Summing up by the Chair
1445 – 1500 hrs	Refreshments



## MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

### Session IV: Professional Inputs and Insights in Linguistics towards a Secure Nation

*Venue: Conference room, Faculty of Defence and Strategic Studies, Academic Building*

Chairperson	<b>Dr Romola Rassool</b> <i>Senior Lecturer, Department of English Language Teaching Unit (ELTU), University of Kelaniya, Sri Lanka</i>
1500 – 1505 hrs	Introduction of the Chair
1505 – 1510 hrs	Preliminary Remarks by the Chair
1510 - 1525 hrs	<b>Digital Democracy: Constructing a Citizens' History on Cyberspace</b> <i>TNK Meegaswatta</i>
1525 - 1540 hrs	<b>Effectiveness of Using Improvisations to Develop English Speaking Skills</b> <i>CJ Kothalawala and TD Kothalawala</i>
1540 - 1555 hrs	<b>Feasibility of Introducing Sole English Medium Instruction in Social Sciences</b> <i>PN Gardihewa</i>
1555 – 1610 hrs	<b>Using Scaffolding to Enhance ESL Speaking Motivation at Undergraduate level</b> <i>MTN Wijetunge, VU Jayasinghe and JT Weeraratne</i>
1610 – 1625 hrs	Question and Answer Session
1625 – 1635 hrs	Summing up by the Chair

## MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

### Parallel Session I: Sustainable Management Practices for a Secure Nation

*Venue: Mini Auditorium, Academic Building*

Chairperson	<b>Mr Baratha Dodankotuwa</b> <i>Senior Lecturer, Department of Human Resource Management, Faculty of Management, University of Peradeniya, Sri Lanka</i>
0830 – 0835 hrs	Introduction of the Chair
0835 – 0840 hrs	Preliminary Remarks by the Chair
0840 - 0855 hrs	<b>Efficiency of Plastic Waste Management in the Apparel Industry</b> <i>WKDY Wickramasinghe and MB Samarakoon</i>
0855 - 0910 hrs	<b>A Study on the Impact of Corporate Social Responsibility on Organizations Level of Profitability</b> <i>GDSR Dharmaratne and RMCLK Rathnayaka</i>
0910 - 0925 hrs	<b>The Impact of Big Five Personality Dimensions on Contextual Performance of the Employees of Postal Department in Sri Lanka</b> <i>GK Gnanapragasam and UWMRS Kappagoda</i>
0925 – 0940 hrs	<b>Customers' Perspective on the Facilities Provided by Southern Expressway Services, Sri Lanka</b> <i>NM Wanniarachchi and WL Rathnayake</i>
0940 – 0955 hrs	Question and Answer Session
0955 – 1005 hrs	Summing up by the Chair
1005 – 1030 hrs	Refreshments

## MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

### Parallel Session II: Contemporary Management Practices for a Secure Nation

*Venue: Mini Auditorium, Academic Building*

Chairperson	<b>Dr. Nalin Abesekara</b> <i>Senior Lecturer, Department of Management Studies, Faculty of Humanities and Social Sciences, The Open University of Sri Lanka</i>
1030 – 1035 hrs	Introduction of the Chair
1035 – 1040 hrs	Preliminary Remarks by the Chair
1040 - 1055 hrs	<b>The Impact of Service Quality on Customer Loyalty in the Sri Lankan Hotel Sector (with Special Reference to ABC Hotel in Sri Lanka)</b> <i>JL Ukkwatte and N Abeysekera</i>
1055 - 1110 hrs	<b>The Impact of Service Quality on Consumer Buying Behavior: With Special Reference to Hotel Industry in Sri Lanka</b> <i>S Ragulan and UG Rajapaksha</i>
1110 - 1125 hrs	<b>Foreign Travellers' Perspective towards Service Quality of Railway Service in Sri Lanka; A Study based on Kandy Railway Travellers</b> <i>RASA Perera and ABDM Bandara</i>
1125 – 1140 hrs	<b>Factors affecting Buying Behavior of Consumers with Loyalty Cards</b> <i>WG Wishvanath, TMJA Cooray and RA Dissanayke</i>
1140 – 1155 hrs	Question and Answer Session
1155 – 1205 hrs	Summing up by the Chair
1205 – 1300 hrs	Lunch

## MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

### Parallel Session III: Financial Management Practices for a Secure Nation

*Venue: Mini Auditorium, Academic Building*

Chairperson	<b>Dr Dayarathne Silva</b> <i>Former Ambassador to World Trade Organization (WTO) in Geneva</i>
1300 – 1305 hrs	Introduction of the Chair
1305 – 1310 hrs	Preliminary Remarks by the Chair
1310 - 1325 hrs	<b>The Impact of Procurement on the Financial Performance of Large Scale Apparel Manufacturers of Sri Lanka</b> <i>RLG Nugara and UG Rajapaksha</i>
1325 - 1340 hrs	<b>The Effect of Deemed Dividend Tax on Dividend Policy of Listed Firms: Evidence from Sri Lanka</b> <i>MDDP Samarawickrema and DLPM Rathnasingha</i>
1340 - 1355 hrs	<b>Shareholders' Responses at the Announcement of the Changes in Executive Directors and Semi-Strong Form Efficient Market Hypothesis: Evidence from Colombo Stock Exchange (CSE)</b> <i>DG Dharmarathna and C Amarasekara</i>
1355 – 1410 hrs	<b>The Perceived Effects of Boko Haram Insurgents on Outsourcing in Small and Medium Enterprises (SMEs) of Adamawa and Borno States, Nigeria</b> <i>D Mohammed</i>
1410 – 1435 hrs	Question and Answer Session
1435 – 1445 hrs	Summing up by the Chair
1445 – 1500 hrs	Refreshments

# MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

## Parallel Session IV: **Service Quality Management for a Secure Nation**

*Venue: Mini Auditorium, Academic Building*

Chairperson	<b>Professor JMS Jayaweera Bandara</b> <i>Professor, Department of Civil Engineering, University of Moratuwa</i>
1500 – 1505 hrs	Introduction of the Chair
1505 – 1510 hrs	Preliminary Remarks by the Chair
1510 - 1525 hrs	<b>The Impact of Value Chains on Apparel Industry in Sri Lanka</b> <i>GT Jayasuriya and UG Rajapaksha</i>
1525 - 1540 hrs	<b>A Study on Passenger Attitudes towards Future Inland Ferry Service from Negambo to Colombo</b> <i>DAR Chathuranga and RMNT Sirisoma</i>
1540 - 1555 hrs	<b>Applicability of Balance Scorecard in SME's: with Reference to Colombo District</b> <i>ADTS Jayawardena and RMCLK Rathnayaka</i>
1555 – 1610 hrs	<b>The Impact of 3PL Service on Total Quality Management of Apparel Industry in Sri Lanka</b> <i>H Fernando and UG Rajapaksha</i>
1610 – 1625 hrs	Question and Answer Session
1625 – 1635 hrs	Summing up by the Chair