

Draft part I – Programme Book

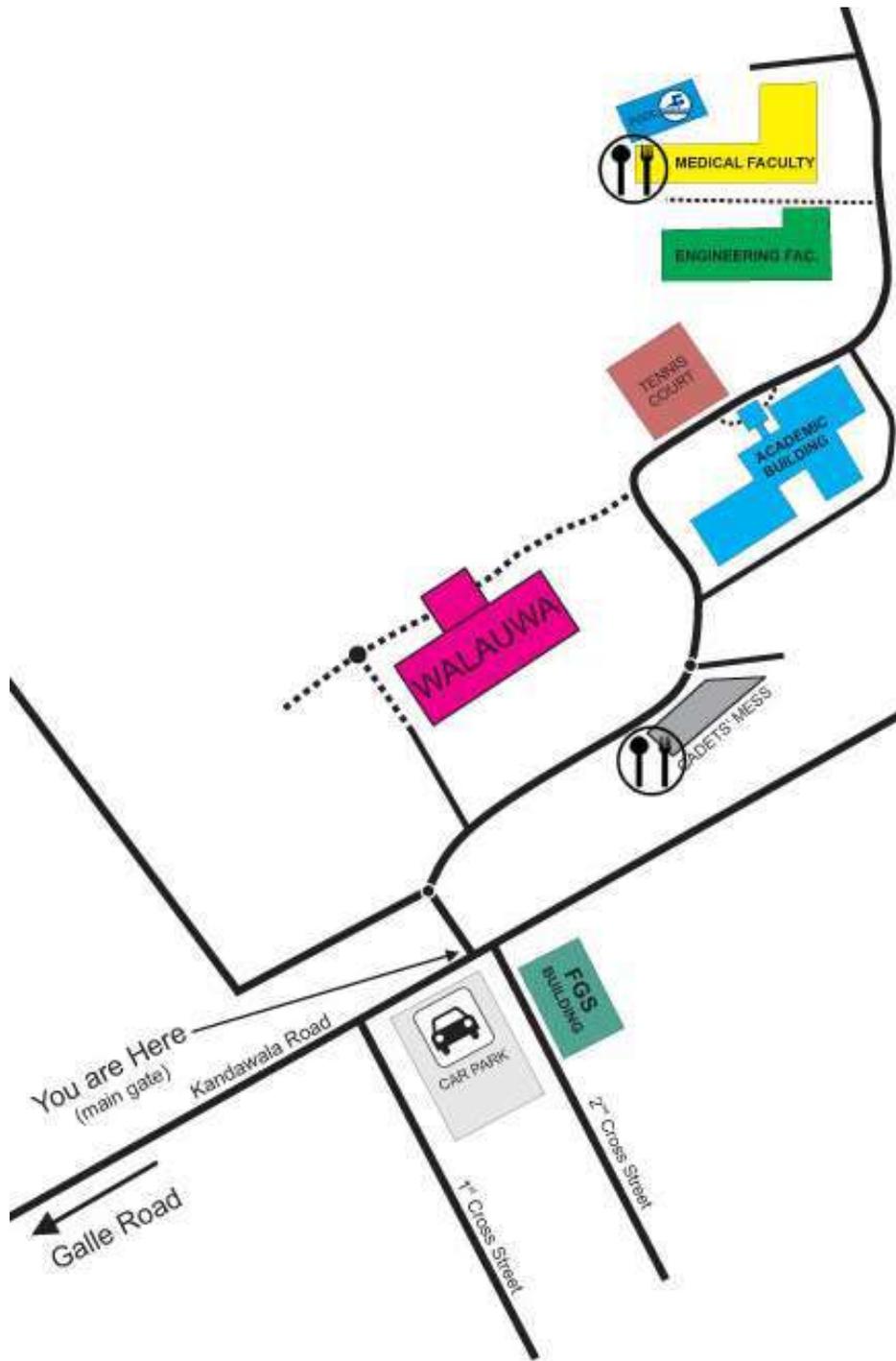
10TH INTERNATIONAL RESEARCH CONFERENCE
GENERAL SIR JOHN KOTELAWALA DEFENCE UNIVERSITY

*“Changing Dynamics in the Global Environment: Challengers
and Opportunities”*

Programme Book

General Sir John Kotelawala Defence University
Ratmalana 10390
Sri Lanka

KDU MAP



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PROGRAMME GUIDE

Day 1: 03 August 2017

| | |
|-----------------|---|
| 0730-0815 hrs | Registration |
| 0815-0830 hrs | Arrival of the Chief Guest |
| 0830-1025 hrs | Inaugural Session |
| 1025-1035 hrs | Conference Portrait |
| 1035-1100 hrs | Refreshments |
| 1115-1300 hrs | Plenary Session – Defence and Strategic Studies I |
| 1300-1400 hrs | Lunch |
| 1400-1600 hrs | Plenary Sessions <i>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</i> |
| 1600-1630 hrs | Refreshments |
| 1630 - 1730 hrs | Evaluation of Poster Presentations |
| 1800 – 2100hrs | Cocktail and Networking Session |

Day 2: 04 August 2017

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|---------------|--|
| | Oral Presentation Sessions <i>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</i> |
| 0830-1000 hrs | Session 1 |
| 1000-1030 hrs | Refreshments |
| 1030-1200 hrs | Session 2 |
| 1200-1300 hrs | Lunch |
| 1300-1430 hrs | Session 3 |

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1430-1500 hrs Refreshments

1500-1630 hrs Session 4

1630 – 1645 hrs Announcement of best Oral and Poster presentation awards

INAUGURAL SESSION

Venue: Auditorium – Faculty of Graduate Studies (FGS)

0730 – 0815 hrs **Conference Registration**

0830 - 0900 hrs **Inauguration**

0900 - 0910 hrs **Welcome Address**

JJ Ranasinghe USP psc MSc(DS)Mgt Rear Admiral

Vice Chancellor – General Sir John Kotelawala Defence University

0910 - 0920hrs **Speech of the Chief Guest**

Hon. Susil Pemajyantha

Minister – Ministry of Science, Technology and Research

0920 - 0940hrs **Keynote Speech**

Vidya jyothi Dr. Bandula Wija

*Ambassador - Science Technology and Innovation Sri Lanka
Texas, USA*

0940 - 1000hrs **Guest Speech**

Prof. Chandra Wickramasinghe

Director- Buckingham Centre for Astrobiology, University of Buckingham

1000 - 1015hrs **Awarding of Honorary Professorships**

1015-1025 hrs **Vote of Thanks**

Dr. Prasanna Pramadasa

Conference Chair

1025-1035 Group portrait

1035-1100 hrs **Refreshments**

PLENARY SESSIONS

DEFENCE AND STRATEGIC STUDIES – I

Theme: ***Changing Dynamics in the Global Environment: Challenges and Opportunities***

Venue: ***Auditorium, Faculty of Graduate Studies***

| | |
|---------------|--|
| Chairperson | Professor Shantha Hennayake <i>Senior Professor, Department of Geography, University of Peradeniya</i> |
| 1115-1120hrs | Introduction of the Chair |
| 1120-1130hrs | Preliminary Remarks and Introduction of Presenters by the Chair |
| 1130 -1145hrs | <i>Strengthening Regional Maritime Cooperation in the Indian Ocean: The Role of Australia-Sri Lanka Bilateral Relations</i> Dr Mary Ann Palma-Robles <i>Honorary Senior Fellow, University of Wollongong Australia</i> |
| 1145-1200hrs | <i>The Establishment of Defence Science and Technology in Sri Lanka</i> Professor Martin Renilson <i>President, The Royal Institution of Naval Architects Australian Division</i> |
| 1200-1215hrs | <i>Changing Dynamics in the Global Environment: The Story of Pakistan</i> Major General Muhammad Shamrez Salik, HI (M) <i>Director General, Institute for Strategic Studies, Research and Analysis, National Defence University, Pakistan</i> |
| 1215-1230hrs | <i>The Human Element in Autonomous Shipping</i> Professor Margareta Lutzhoft <i>Professor of Nautical Operations, Western Norway University of Applied Sciences, Norway</i> |
| 1230-1250hrs | Question & Answer Session |
| 1250-1300hrs | Summing up by the Session Chair |
| 1300-1400hrs | Lunch |

DEFENCE AND STRATEGIC STUDIES –II

Theme: ***Changing Dynamics in the Global Environment: Challenges and Opportunities***

Venue: ***Auditorium, Faculty of Graduate Studies***

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| Chairperson | Mr HMGS Palihakkara <i>Former Foreign Secretary and Former Governor of the Northern Province</i> |
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- 1400 -1405hrs Introduction of the Chair
1405 -1415hrs Preliminary Remarks and Introduction of Presenters by the Chair
- 1415-1430hrs ***Malaysia's Role in Peacebuilding in Southern Philippines and its Impact on the Region***
Major General Dato' Abdul Rahim bin Hj. Mohd Yusuff (Retired)
First Holder of the Leadership Chair, Leadership Chair Office, National Defence University, Malaysia
- 1430-1445hrs ***Changing Dynamics in the Maritime Domain: Special Emphasis on the Indian Ocean***
Rear Admiral William C. McQuilkin (Retired)
Former Director, U.S. Navy Strategy and Policy Division, U.S. Navy, USA
- 1445-1500hrs ***Changing Dynamics in the Global Environment: Challenges and Opportunities faced by Bangladesh***
Major General A K M Abdur Rahman NDC, psc
Directorate General, Bangladesh Institute of International and Strategic Studies, Bangladesh
- 1500-1515hrs ***New World Order Trends in Nuclear Politics: Challenges and Opportunities***
Professor Feroz Hassan Khan, BG (Retired)
Lecturer, Naval Postgraduate School, USA
- 1515- 1530hrs Question & Answer Session
- 1530-1555hrs **Refreshments**
- 1555-1605hrs Introduction of Presenters by the Chair
- 1605-1620hrs ***Changing Dynamics in the Global Environment: Challenges and Opportunities in the Chinese Perspective***
Senior Colonel Cai Jinsong
Deputy Director of Teaching and Interpretation Division of the College of Defense Studies of National Defense University, People's Liberation Army, China
- 1620-1635hrs ***Changing Dynamics in the Global Environment: The Story of Maldives***
Brigadier General Wais Waheed psc
Commanding Officer, College of Defence and Security Studies, Maldives National Defence Force, Maldives
- 1635-1650hrs ***Dynamics in the Korean Peninsula and its Implications for Global Security***
Dr M Mayilvaganan

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Associate Professor, International Strategic and Security Studies Programme, National Institute of Advanced Studies, Indian Institute of Science Campus, India

1650-1700hrs Question & Answer Session
1700-1715hrs Summing up by the Chair

ENGINEERING

Theme: Facing the dynamics in the global environment through engineering solution

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

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| Chairperson | Prof AKW Jayawardane Vice Chancellor, University of Moratuwa |
| 1400 - 1425 hrs | Floating Hydrocarbon Storage and Bunker Facility Prof Ang Kok Keng Department of Civil and Environmental Engineering, National University of Singapore |
| 1425 - 1450 hrs | Prof Rohan Munasinghe Department of Electronic and Telecommunication Engineering, Faculty of Engineering, University of Moratuwa |
| 1450 – 1515 hrs | Effects of Appendages on Underwater Vehicles Prof. Dev Ranmuthugala Defence Science and Technology Group, University of Tasmania, Australia |
| 1515 - 1540 hrs | Human-centred Design of Ships Prof. Margereta Lutzhoft Professor of Nautical Studies, Deputy Director NCPs Seafaring, University of Tasmania, Australia |
| 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: Global space, Local place – Protocols for a new world order

Venue: LT01 - 3rd floor Faculty of Medicine

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|-----------------|--|
| Chairperson | Archt Prof Chitra Weddikkara <i>Immediate Past President, Sri Lanka Institute of Architects. Professor - Department of Building Economics, University of Moratuwa</i> |
| 1400 - 1425 hrs | Prototype Ubiquitous Visualization System based on Augmented Reality with Mobile Platform Prof Qingyun Du Professor of GIS and Cartography |
| 1425 - 1450 hrs | Modelling the relationship between spatial characteristics of urban land uses and household travel patterns (A Case study of Colombo DS Division) Prof Lalith De Silva Dean, Faculty of Architecture |
| 1450 - 1515 hrs | Role of professionals in dealing with road traffic accidents Dr AGH Jayalath Edirisinghe Senior Lecturer, Department of Civil Engineering, University of Peradeniya |
| 1515 –1540 hrs | Emergency Mapping of Meethotamulla Garbage Dump Collapse Mr SPJ Dampegama Add. Surveyor General (Field) |
| 1540 – 1600 hrs | Summing up by the Chair |
| 1600 – 1630 hrs | Refreshments |
| 1630 – 1730 hrs | Evaluation of Poster Presentations |

COMPUTING

Theme: Resolutions for Challenges & Opportunities of Global Dynamics through
Digital Innovations

Venue: LT03 - 3rd floor Faculty of Medicine

Chairperson

Prof.Dileeka Dias

Dean – Faculty of Graduate Studies, University of Moratuwa

1400 - 1425 hrs

ICT to IOT How to Keep Up With Fast Moving Information Technologies

Prof Jey Rajasekera

Vice President International University of Japan

1425 - 1450 hrs

Online learning: common challenges for instructors in large online courses: strategies to mitigate student and instructor frustration

Dr Lalith Liyanage

CEO, Lanka Logistics & Technologies, Ministry of Defence

1450 - 1515 hrs

Bitcoins are here to stay: Are we ready?

Dr Chamath Keppatiyagama

Senior Lecturer , University of Colombo School of Computing

1515 – 1540 hrs

Analytics and AI: The Good, the Bad and the Ugly

Dr Srinath Perera

Vice President of Research,WSO2

1540 – 1600 hrs

Summing up by the Chair

1600 – 1630 hrs

Refreshments

1630 – 1730 hrs

Evaluation of Poster Presentations

MEDICINE

Theme: Changing Global Environment; Challenges and Opportunities in Medicine

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

- Co-Chairpersons **Senior Prof. MH Rezvi Sheriff**
Department of Clinical Sciences, Faculty of Medicine, General
Sir John Kotelawala Defence University
- Senior Prof. TR Weerasooriya**
Head of the Department, Department of Anatomy, Faculty of
Medicine, General Sir John Kotelawala Defence University
- 1400 - 1425 hrs **Purpose Driven Education**
Dr Bandula Wijay
Ambassador, Science Technology and Innovation Sri Lanka
- 1425- 1450 hrs **The Future Of Resolving The Human Elephant Conflict
(Hec) Through Human Elephant Co-Existence (Hec)**
Prof Sarath Kotagama
Professor Emeritus, Department of Zoology and Environment
Sciences, University of Colombo
- 1450 - 1515 hrs **Emerging Infectious Diseases: The neglected
dimension of Global Security**
Prof Malik Peiris
School of Public Health, The University of Hong Kong
- 1515 – 1540 hrs **Wars between states and global health: The SDG the
international community chose to ignore**
Prof Saroj Jayasinghe
Department of Clinical Medicine, Faculty of Medicine,
University of Colombo
- 1540 – 1600 hrs Summing up by the Chair
- 1600 – 1630 hrs Refreshments
- 1630 – 1730 hrs Evaluation of Poster Presentations

BASIC AND APPLIED SCIENCES

Theme: Changing dynamics in the global environment: Challenges and Opportunities for basic and applied science research

Venue: SDC Seminar room – 5th floor Faculty of medicine

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| Chairperson | Prof Ajit M Abeysekera Emeritus Professor, Department of Chemistry, University of Sri Jayawardenapura. |
| 1400 - 1425 hrs | Processing speech in noise - A powerful window into the human brain Prof Ramesh Rajan Department of Physiology, Monash University, Australia |
| 1425 - 1450 hrs | Elimination of lymphatic Filariasis in Sri Lanka: Advances in diagnosis and management of surveillance Prof Mirani Weerasooriya Senior Professor of Parasitology, Head of the Department, Department of Parasitology, Faculty of Medicine, University of Ruhuna |
| 1450 - 1515 hrs | Air quality monitoring potential of Lichens Prof Chandrani Wijeyaratne Emeritus Professor of Botany, University of Sri Jayewardenepura, Nugegoda |
| 1515 – 1540 hrs | Drug discovery from natural products in Sri Lanka, a way forward Prof Mahinda Wickramaratne Department of Pharmacy, Faculty of Allied Health Sciences, University of Peradeniya, Peradeniya, Sri Lanka |
| 1540 – 1600 hrs | Summing up by the Chair |
| 1600 – 1630 hrs | Refreshments |
| 1630 – 1730 hrs | Evaluation of Poster Presentations |

ALLIED HEALTH SCIENCES

Theme: Allied Health in the global environment: Challenges and Opportunities

Venue: LL1 – 4th floor Faculty of Medicine

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|-----------------|--|
| Chairperson | Snr Prof. Narada Warnasuriya Professor of pediatrics, Faculty of Medicine, KDU |
| 1400 - 1425 hrs | Nursing in global environment: Challenges and opportunities Dr Rasika Jayasekara School of Nursing and Midwifery, University of South Australia, Australia |
| 1425 - 1450 hrs | Genomics to Molecular Diagnostics to Personalized Medicine Prof Ranil Dassanayake Department of chemistry, University of Colombo, Sri Lanka |
| 1450 - 1515 hrs | Does dose matter? Associate Professor Mark Mcentee Faculty of Health Sciences, The University of Sydney, Australia |
| 1515 – 1540 hrs | Challenges and way forward of sports and exercise medicine in Sri Lanka Dr Lakshman Edirisinghe Director General, Institute of Sport Medicine, Ministry of Sport |
| 1540 – 1600 hrs | Summing up by the Chair |
| 1600 – 1630 hrs | Refreshments |
| 1630 – 1730 hrs | Evaluation of Poster Presentations |

LAW

Theme: Law and justice in the global environment: Challenges and Responses

Venue: Main Auditorium, Academic Building

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|-----------------|---|
| Chairperson | Prof. Camena Gunaratne Senior Lecturer, Department of Legal Studies, Faculty of Humanities and Social Sciences, Open University of Sri Lanka, Nawala. |
| 1400 - 1420 hrs | Law and Justice in the Global Environment; challenges and responses Mr Palitha Fernando, PC Former Attorney General |
| 1420 - 1440 hrs | Administration of Justice with special Reference to Human Rights Protection: Challenges and Prospects Mrs Wasantha Seneviratne Senior Lecturer, Head of the Department (Public and International Law), Faculty of Law, University of Colombo, |
| 1440 – 1500 hrs | Climate Change and Ocean Governance: Consequences of Sea-Level Change Prof AHA Soons Utrecht University, Achter Sint Pieter 200, 3512 HT UTRECHT, Netherlands |
| 1500 – 1520 hrs | Opening Access to Research and Data: empowering research communities Associate Professor Leanne Wiseman Griffith University, Australia |
| 1520 - 1540 | International Law & Justice: Some Preliminary Thoughts on a Strained Relationship Dr Kalana Senarathne Department of Law, University of Peradeniya. |
| 1540 – 1600 hrs | Summing up by the Chair |
| 1600 – 1630 hrs | Refreshments |
| 1630 – 1730 hrs | Evaluation of Poster Presentations |

MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Theme: changing Dynamics in the Global Environment: Challenges and Opportunities in Management, Social Sciences and Humanities

Venue: Mini Auditorium, Academic Building

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| Chairperson | Prof. PSM Gunarathna Department of Finance, Faculty of Management and Finance, University of Colombo, Colombo 03 |
| 1400 - 1425 hrs | Global Production Dynamics and Rise of Asia <i>Prof Sirimal Abeyratne</i> <i>Professor in Economics, University of Colombo</i> |
| 1425 - 1450 hrs | Changing Dynamics in Business Environment Dr WA Wijewardhna President, BMS,,Wellawatta,Sri Lanka |
| 1450 - 1515 hrs | Strategic Value of the Belt and Road Initiative from the Maritime Transportation and Logistics Prof Paul Tae-Woo Lee School of Business IT and Logistics, Leader, The One Belt One Road Research Lab, RMIT University, Australia |
| 1515 – 1540 hrs | Changing Dynamics In Language And Communication: English Cultural Westoxication and Confused Nations Dr Asantha Aththanayake Senior Lecturer, English Language Teaching Unit, University of Colombo |
| 1540 – 1600 hrs | Summing up by the Chair |
| 1600 – 1630 hrs | Refreshments |
| 1630 – 1730 hrs | Evaluation of Poster Presentations |

ORAL PRESENTATIONS

DEFENCE AND STRATEGIC STUDIES

Technical Session I: ***Contemporary Security Challenges in the Indian Ocean Region: Analyzing Future Prospects***

Venue: Auditorium, Faculty of Graduate Studies

Chairperson: Rear Admiral William C. McQuilkin (Retired)
Former Director, U.S Navy Strategy and Policy Division, U.S Navy, USA

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| 0830-0835 hrs | Introduction of the Chair |
| 0835-0840 hrs | Preliminary Remarks by the Chair |
| 0840-0850 hrs | Changing Dynamics in the Indian Ocean: Geo-strategic Competition and Challenges for Sri Lanka JSK Colombage |
| 0855-0905 hrs | Strategy to overcome Maritime Blindness: The Sri Lankan Case R Joseph |
| 0905-0915 hrs | Establishing a Maritime Domain Awareness Centre in Sri Lanka SACR Kulatunga |
| 0915-0925 hrs | Strategic Importance of Blue Economy to Sri Lanka and Challenges D Ranasignhe |
| 0925-0935 hrs | Bottom Trawling in Palk Bay Area: Human And Environmental Implications S Wijesundara and D Amunugama |
| 0935-0955 hrs | Question and Answer Session |
| 0955-1000 hrs | Summing up by the Chair |
| 1000-1030 hrs | Refreshments |

DEFENCE AND STRATEGIC STUDIES

Technical Session II – Parallel Session I: ***Growing Importance of Security Issues in the Strategic Power Play***

Venue: Auditorium, Faculty of Graduate Studies

- Chairperson: Dr Mary Ann Palma-Robles
Honorary Senior Fellow, University of Wollongong, Australia
- 1030-1035 hrs Introduction of the Chair
- 1035-1040 hrs Preliminary Remarks by the Chair
- 1040-1050 hrs Securitisation of National Borders: A Case Study of Sri Lankan Border Control Measures
A Lankadeva
- 1050-1100 hrs Political Polarisation of the Indo-Lanka Fishery Dispute and Its Comprehensive Security Implication
M Adams
- 1100-1110 hrs The Changing Patterns of the U.S. – Japan Security Relations in the 21st Century: Case Study of Okinawa
DPH Senanayake
- 1110-1120 hrs Transboundary Implications of India and Nepal Air Pollution Policy Implementation and South Asian Association for Regional Cooperation
PLS Dias
- 1120-1130 hrs Sri Lanka between Geopolitical Interests of China and India
A Seneviratne, W Nalawatta and S Weeraratne
- 1130-1155 hrs Question and Answer Session
- 1155-1200 hrs Summing up by the Chair
- 1200-1300 hrs Lunch

DEFENCE AND STRATEGIC STUDIES

Technical Session II – Parallel Session II: *Sri Lanka's Military: Some Case Studies*

Venue: *Faculty of Graduate Studies*

Chairperson: Emeritus Professor W I Siriweera
Former Chairman, University Grants Commission, Sri Lanka

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|---------------|---|
| 1030-1035 hrs | Introduction of the Chair |
| 1035-1040 hrs | Preliminary Remarks by the Chair |
| 1040-1050 hrs | The Post Deployment Reintegration and Mental Health Issues of the Sri Lankan Army Soldiers JKT Udeshika |
| 1050-1100 hrs | Survival of Kandy Before Three European Nations WS Eellepola, D Attapattu and P Amarasinghe |
| 1100-1110 hrs | Entrepreneurial Aspirations And Expectations of Sri Lanka Military Veterans MHSB Perera, WMAGHA Premarathna and L Welamedage |
| 1110-1120 hrs | Re-Emergence of Tamil Tiger Cells in Sri Lanka: A Comparative Analysis to Terrorism Perspective PSS Sanjeewa |
| 1120-1130 hrs | Impact of GIS Modelling In Military Operational Planning KRP Rowel, KTRB Kodippili and HWW Ranasinghe |
| 1130-1155 hrs | Question and Answer Session |
| 1155-1200 hrs | Summing up by the Chair |
| 1200-1300 hrs | Lunch |

DEFENCE AND STRATEGIC STUDIES

Technical Session III: ***Strategic Planning to Safeguard National Security***

Venue: Auditorium, Faculty of Graduate Studies

- Chairperson: Prof Feroz Hassan Khan, BG (Retired)
Lecturer, Naval Postgraduate School, USA
- 1300-1305 hrs Introduction of the Chair
1305-1310 hrs Preliminary Remarks by the Chair
- 1310-1320 hrs Dynamics in Cyber Security: Challenges to Sri Lanka's National Security
B Senaratne
- 1325-1335 hrs Transition of Accordance: The Next Step of India - Sri Lanka Economic
Strategy
S Senarath and SE Jayasekera
- 1340-1350 hrs Air Power: A Response Option to Counter Challenges of Sub Conventional
Warfare Dynamics
N Wanasinghe
- 1355-1425 hrs Question and Answer Session
1425-1430 hrs Summing up by the Chair
- 1430-1500 hrs Refreshments

DEFENCE AND STRATEGIC STUDIES

Technical Session IV: *Security of Small States: Challenges and Prospects*
Venue: *Auditorium, Faculty of Graduate Studies*

Chairperson: Major General A K M Abdur Rahman NDC, psc
Directorate General, Bangladesh Institute of International and Strategic Studies, Bangladesh

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| 1500-1505 hrs | Introduction of the Chair |
| 1505-1510 hrs | Preliminary Remarks by the Chair |
| 1510-1520 hrs | The Influence of Global Islam Radicalisation to Sri Lanka LCR Jayasuriya |
| 1520-1530 hrs | Regional Hegemony and Small State Survival: Re-examining Ceylon's Foreign Policy Under Premier D.S. Senanayake S De Silva |
| 1530-1540 hrs | Hot Pursuit on Land: Execution versus Legitimacy KERL Fernando, R Fernando and L Fernando |
| 1540-1550hrs | 21 st Century Great Game and Its Actors: India's interests in Central Asia and Its Repercussions in South Asia P Amarasinghe, D Attapattu and P Joshi |
| 1550-1600 hrs | Security Forces Involvement in Nation Building: Ethics and Social Responsibility AA Rasheed |
| 1600-1625 hrs | Question and Answer Session |
| 1625-1630 hrs | Summing up by the Chair |
| 1630 – 1645 hrs | Announcement of best Oral and Poster awards |

ENGINEERING

Session I: **Electrical & Electronics Engineering**

Venue: Conference Hall, 1st floor, Faculty of Engineering

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|-----------------|--|
| Chairperson | Prof. JR Lucas, <i>Senior Professor in Electrical Engineering, University of Moratuwa</i> |
| 0830 – 0835 hrs | Introduction of the Chair |
| 0835 – 0840 hrs | Preliminary Remarks by the Chair |
| 0840 - 0850 hrs | Designing a Remote Monitoring System for Improving the Reliability of Distribution Feeders in Sri Lanka <i>SLD De Silva, WGS De Soyza, IADW Bandara, RCA Rathnathilaka and S Bogahawatte</i> |
| 0850 - 0900 hrs | Single Carrier Communication System on Open Source Embedded Platform <i>JV Varatharaajah and RP Thilakumara</i> |
| 0900 - 0910 hrs | Time Series Modelling approach for forecasting Electricity Demand in Sri Lanka <i>JLLS Fernando, JRNA Gunawardana, KAIT Perera, MLDM Perera, NAG Shashikala, DDM Jayasundara and RMKT Rathnayaka</i> |
| 0910 – 0920 hrs | Fabrication and evaluation of a Sri Lankan graphite based rechargeable cell <i>WADSS Weerasinghe, KS Perera, and K.P. Vidanapathirana</i> |
| 0920 – 0930 hrs | A Novel Approach to Implement a Closed Loop Controlled Power Converter in Thermal Vacuum Tubes <i>KAD Dharshana and SB Wijekoon</i> |
| 0930 – 0955 hrs | Question and Answer Session |
| 0955 – 1005 hrs | Summing up by the Chair |
| 1005 – 1030 hrs | Refreshments |

ENGINEERING

Session II: Bio Medical Engineering

Venue: Conference Hall, 1st floor, Faculty of Engineering

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|-----------------|---|
| Chairperson | Dr. James B. Phillips, University College London, UK |
| 1030 – 1035 hrs | Introduction of the Chair |
| 1035 – 1040 hrs | Preliminary Remarks by the Chair |
| 1040 - 1050 hrs | Autonomous mobile robot for disease detection and individual health monitoring of cattle in intensive dairy farms <i>LR Vitharana and KVMS Somarathne</i> |
| 1050 - 1100 hrs | Smart Hospital Ward Management System with mobile robot WARDBOT: An efficient management solution for hospital ward <i>DMHT Dasanayake, PS Gunasekara, NS Dabare, HD Wickramasinghe, KLKTD Sandharenu, WSP Fernando and JDPR Jayasekara</i> |
| 1100 - 1110 hrs | Ayurvedic Pulse Diagnostic Techniques to Develop Modern Non-invasive Disease Diagnostic Devices <i>BRMGWUB Balagalla</i> |
| 1110 – 1120 hrs | Expanding the quality of living with paraplegia: Robotic exoskeleton technology <i>Rosharn Amarasinghe</i> |
| 1120 – 1130 hrs | Motion Analysis of Badminton Forehand Smash Shot using Low Frame Rate Cameras <i>WKDT Wickramasinghe, GT Nanaweera, YCK Geeganage, KMGP Premadasa and WLPK Wijesinghe</i> |
| 1130 – 1155 hrs | Question and Answer Session |
| 1155 – 1205 hrs | Summing up by the Chair |
| 1205 – 1300 hrs | Lunch |

ENGINEERING

Session III: Aeronautical Engineering/Mechanical Engineering

Venue: Conference Hall, 1st floor, Faculty of Engineering

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|------------------|---|
| Chairperson | Dr Nirosh Jayaweera, University of Moratuwa |
| 1300 – 1305 hrs | Introduction of the Chair |
| 1305 – 1310 hrs | Preliminary Remarks by the Chair |
| 1310 - 1320 hrs | Analysis of Test Section Flow Conditions of Low Speed Wind Tunnel <i>Jl Abeygoonewardene, DR Caseer and K Wickramasinghe</i> |
| 11320 - 1330 hrs | KF Implemented Flying Wing <i>WDT Fernando</i> |
| 1330 - 1340 hrs | An Outdoor Smart Robotic Garbage Bin to Assist a Methodical Garbage Collection, Storage and Disposal Process <i>MSR Wijenayake, NRW Gunarathna, PB Henadeera and KHT Devinka</i> |
| 1340 – 1350 hrs | Development of a Productive Work Cell through integration of Work Study and Lean Tools - A Case study on a Leading Tire Manufacturer in Sri Lanka <i>HAD Perera, HRN Silva and KA Weniton</i> |
| 1350 – 1420 hrs | Question and Answer Session |
| 1420 – 1430 hrs | Summing up by the Chair |
| 1430 – 1500 hrs | Refreshments |

ENGINEERING

Session IV: Marine Engineering

Venue: Conference Hall, 1st floor, Faculty of Engineering

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|-----------------|---|
| Chairperson | Prof Martin Renilson, President, Royal Institution of Naval Architects, Australian Division |
| 1500 – 1505 hrs | Introduction of the Chair |
| 1505 – 1510 hrs | Preliminary Remarks by the Chair |
| 1510 - 1520 hrs | Probabilistic Approach to Assessment of Damage Survivability of Cargo Ships <i>WK Wimal Siri</i> |
| 1520 - 1530 hrs | Safe Operation of Tugs within Close Proximity to the Shoulders of Larger Ships <i>N Jayarathne, D Ranmuthugala and Z Leong</i> |
| 1530 - 1540 hrs | Trending of Vibration Spectrum in Marine Diesel Engine, Marine Gear Box and Variations with Rotational Speeds <i>DMPM Dasanayaka and PABAR Perera</i> |
| 1540 – 1550 hrs | Preliminary Concept Design of an Affordable Coastal Patrol Craft for Sri Lanka Navy <i>N Rajapaksha, K Athukorala and S Shrilal</i> |
| 1550 – 1600 hrs | Reducing Fossil Fuel Consumption in Naval Ships: A study on economical and eco-friendly power alternatives for naval ships during peacetime <i>SMJCA Samaranayake</i> |
| 1610 – 1625 hrs | Question and Answer Session |
| 1625 – 1635 hrs | Summing up by the Chair |
| 1635 – 1645 hrs | Announcement of best Oral and Poster awards |

ENGINEERING

Parallel Session I: Civil Engineering

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

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|-----------------|---|
| Chairperson | Prof. Ang Kok Keng, Department of Civil and Environmental Engineering, National University of Singapore |
| 0830 – 0835 hrs | Introduction of the Chair |
| 0835 – 0840 hrs | Preliminary Remarks by the Chair |
| 0840 - 0850 hrs | Behavior of Reinforced Full Scale Embankment on Hard Ground in Phitsanulok, Thailand <i>Sailesh Shrestha, Dennes T Bergado and Takenori Hino</i> |
| 0850 - 0900 hrs | Response of a Floating Curved Pontoon Bridge Subjected to Tide Induced Water Surface Variation: An Analytical Approach <i>J Dai, BK Lim and KK Ang</i> |
| 0900 - 0910 hrs | Numerical Simulation of Debonding of CFRP Strengthened Steel Beam <i>DDTK Kulathunga and DS Arahchige</i> |
| 0910 – 0920 hrs | Determination of Existing Relationship among Grindability, Chemical Composition and Particle Size of Raw Material Mix at Aruwakkalu Limestone <i>BSM Mendis, THGS Jayathunga, HH Madurapperuma, LPS Rohitha, PGR Dharmarathna and PBA Hemalal</i> |
| 0920 – 0930 hrs | The Impact of Aligning Three or More Openings in a Dwelling; An Engineering Perception using Fluid Dynamics <i>MS Chandra, K Nandapala and KAB Weerasinghe</i> |
| 0930 – 0955 hrs | Question and Answer Session |
| 0955 – 1000 hrs | Summing up by the Chair |
| 1000 – 1030 hrs | Refreshments |

ENGINEERING

Parallel Session II: Civil Engineering

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

| | |
|-----------------|---|
| Chairperson | Prof Ashoka Perera, University of Moratuwa, |
| 1030 – 1035 hrs | Introduction of the Chair |
| 1035 – 1040 hrs | Preliminary Remarks by the Chair |
| 1040 - 1050 hrs | Develop a Model for Predict Activity Based Waste Generation in order to Manage On-site Construction Waste <i>YAMK Yapa and MB Samarakoon</i> |
| 1050 - 1100 hrs | Use of Ozonation for Degradation of Glyphosate in Potable Water of Ckdu Prevalent Areas <i>PP Jayasekara, S Gunarathna, B Gunawardana, M Jayaweera, J Manatunge and K Zoysa</i> |
| 1100 - 1110 hrs | Locally Available Low-Cost Packing Media for Anaerobic Filters to Treat Landfill Leachate <i>HPPM Pathirana and MB Samarakoon</i> |
| 1110 – 1120 hrs | Sea Level Variability in the West Coast of Sri Lanka <i>KW Indika, GWA Rohan Fernando, EMS Wijerathne, M Ranagalage and S Hettiarachchi</i> |
| 1120 – 1145 hrs | Question and Answer Session |
| 1145 – 1200 hrs | Summing up by the Chair |
| 1200 – 1300 hrs | Lunch |

BUILT ENVIRONMENT AND SPATIAL SCIENCES

Session I: Architecture

Venue: LT01 3rd Floor, Faculty of Medicine

| | |
|-----------------|---|
| Chairperson | Dr. Gamini Weerasinghe Head of Department, Department of Architecture, Faculty of Architecture ,University of Moratuwa |
| 0830 – 0835 hrs | Introduction of the Chair |
| 0835 – 0840 hrs | Preliminary Remarks by the Chair |
| 0840 - 0855 hrs | Urban Waterfront: challenges and Opportunities in Urban development With reference to Colombo City <i>NMRAT Nawaratne, MLNH Premarathna and RGN Lakmali</i> |
| 0855 - 0910 hrs | Measuring Photovoltaic Potential in the Urban Environment <i>T Mendis, KNK Pathirana and M Rajapaksha</i> |
| 0910 - 0925 hrs | An Assessment of collective image of urban scape in the context of rapid development with reference to Maharagama <i>PDJD Premaratne, AH Senaviratne, DM Warakagoda, PALVK Perera, MLNH Premarathna and RGN Lakmali</i> |
| 0925 – 0940 hrs | Profile of risk factors, Chronic Non-communicable disease status and purpose of using walking tracks among users in Kotte are, Sri Lanka <i>LK Hirimuthugoda, P Karunapema, HP Madarasinghe, SPK Wathudura and DWK Gayantha</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: LT01 3rd Floor, Faculty of Medicine

| | |
|-----------------|--|
| Chairperson | Dr. Yasangika Sandanayake Head of Department, Department of Building Economics, Faculty of Architecture, University of Moratuwa |
| 1030 – 1035 hrs | Introduction of the Chair |
| 1035 – 1040 hrs | Preliminary Remarks by the Chair |
| 1040 - 1055 hrs | Investigating The Use Of GIS In Finding Suppliers For Construction Industry In A Cost-Effective Manner <i>ST Sirisena, CPL MGD Weerasinghe and AR Rupasinghe</i> |
| 1055 - 1110 hrs | Preliminary review on BIM applications in Sri Lankan Construction Industry <i>BLSH Perera, DMS jayasuriya and U Gunarathne</i> |
| 1110 - 1125 hrs | Preliminary Analysis Of Impact Of Foreign Labor Participation On The Construction Industry In Sri Lanka In Comparison With Secondary Education Leavers <i>M Elvitigala, T Hettiarachchi and R Amaratunga</i> |
| 1125 – 1140 hrs | Impact of the cost factor on implementation of Green Building Concept in Sri Lanka construction industry <i>KCW Liyanage, WN Kawmudi, GGSS Galadeniya and PL Perera</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:LT01 3rd Floor, Faculty of Medicine

| | |
|------------------|--|
| Chairperson | Dr. H.M.I Prasanna <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 | Estimation of Sea Level Rise in Colombo with Satellite Altimetry Data <i>MDEK Gunathilaka, WKKS Kannangara and SAHM Samarapperuma</i> |
| 11325 - 1340 hrs | Acquire high resolution aerial images for railway mapping by using quadcopter <i>GDI Sanjeewa, LRK Kahandagamage and STS De Silva</i> |
| 1340 - 1355 hrs | Preparation of landslide hazard zonation map in upcountry railway line using GIS & Remote Sensing <i>AKR Sameera, HUK Dilanjani and M Ranagalage</i> |
| 1355 – 1410 hrs | Automatic Data Extraction of Survey Departmental Hardcopy Documents <i>KLP Hemantha, S Sivanantha, JAS Jayakody and ACPK Siriwardhana</i> |
| 1410 – 1425 hrs | Question and Answer Session |
| 1425 – 1435 hrs | Summing up by the Chair |
| 1435 – 1500 hrs | Refreshments |

BUILT ENVIRONMENT AND SPATIAL SCIENCES

Session IV: Multidisciplinary

Venue: LT01 3rd Floor, Faculty of Medicine

| | |
|-----------------|---|
| Chairperson | Prof. Qingyun Du Professor of GIS and Cartography, School of Resource and Environmental Science, Wuhan University, China. |
| 1500 – 1505 hrs | Introduction of the Chair |
| 1505 – 1510 hrs | Preliminary Remarks by the Chair |
| 1510 - 1525 hrs | A GIS based system for disaster risk analysis, prevention and mitigation <i>TS De Silva, LKR Kahandagamage, RP De Silva and NDK Dayawansa</i> |
| 1525 - 1540 hrs | Automated Vehicle Number Plate Recognition system for Sri Lanka using Digital Image Processing techniques in MATLAB software <i>KAIM Jayathilaka, TMHSB Tennakoon and AMAR Geethalankara</i> |
| 1540 - 1555 hrs | Impact of Attitudes of Students on Professionalism: A Case Study of the Students of Faculty of Built Environment and Spatial Sciences (FBESS) at Kotelawala Defence University (KDU) <i>WAPS Kumara, SD Jayasooriya, KNK Pathirana and M Rajapaksha</i> |
| 1555 – 1610 hrs | A Study on Geomorphological & Land use Changes in the lower part of Kelaniya River Basin <i>NI Jayasena</i> |
| 1610 – 1625 hrs | Question and Answer Session |
| 1625 – 1635 hrs | Summing up by the Chair |
| 1635 – 1645 hrs | Announcement of best Oral and Poster awards |

COMPUTING

Session I: **Artificial Intelligence for Digital Innovations**

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

| | |
|-----------------|---|
| Chairperson | Dr.Ananda Edirisuriya, Head – Department of CS , University of Sri Jayawardanapura |
| 0830 – 0835 hrs | Introduction of the Chair |
| 0835 – 0840 hrs | Preliminary Remarks by the Chair |
| 0840 - 0850 hrs | Sinhala Speech to Text Library using Sphinx <i>WTVL Gunarathne, TK Ramasinghe, DGJB Wimalarathne, BMSH Balasuriya and B Hettige</i> |
| 0850 - 0900 hrs | KeyXtract Twitter Model - An Essential Keywords Extraction Model <i>T Weerasooriya, N Perera and SR Liyanage</i> |
| 0900 - 0910 hrs | Chatbots: The Next Generation in Computer Interfacing – A Review <i>MS Walgama and B Hettige</i> |
| 0910 – 0920 hrs | Intelligent News Reader <i>KLTN Perera, PPNV Kumara and B Hettige</i> |
| 0920 – 0930 hrs | Web-Based Expert System for Personalized Psychotherapeutic Counselling <i>S Eshwarage and ADAI Gunesekara</i> |
| 0930 – 0940 hrs | A Comparison of Classical Statistical & Machine Learning Techniques in Binary Classification <i>KVU Perera, SD Viswakula</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: LT 03, 3rd Floor, Faculty of Medicine

| | |
|-----------------|--|
| Chairperson | JR Rajasekera <i>Vice President , International University of Japan</i> |
| 1030 – 1035 hrs | Introduction of the Chair |
| 1035 – 1040 hrs | Preliminary Remarks by the Chair |
| 1040 - 1050 hrs | Predictive cum Adaptive Systems Development Methodology for HydroGIS Tool Development <i>RMM Pradeep and NTS Wijesekera</i> |
| 1050 - 1100 hrs | Machine Learning Optimization for Colour Image Reconstruction from Thermal/Infrared Images <i>WTVL Gunarathne and DMR Kulasekera</i> |
| 1100 - 1110 hrs | A Machine Learning Approach to Classify Sinhala Songs Based On User Ratings <i>HMT Paranagama, MKA Ariyaratne and SCMDS Sirisuriya</i> |
| 1110 – 1120 hrs | Research Directions for Network Based Video Streaming with Emphasis for Live Screen Mirroring <i>SC Gajanayaka, DMR Kulasekera and ADAI Gunasekera</i> |
| 1120 – 1130 hrs | Review Paper on Home Automation With Human Behavior <i>MLNT Chandrasekara and WPJ Premarathne</i> |
| 1130 – 1140 hrs | Communicable disease surveillance and response system <i>AAA Chinthaka, LRK Kahandagamage, DGS Amaranath and STS De Silva</i> |
| 1140 – 1205 hrs | Question and Answer Session |
| 1205 – 1210 hrs | Summing up by the Chair |
| 1210 – 1300 hrs | Lunch |

COMPUTING

Session III: Digital Solutions for Global Challenges

Venue: LT03, 3rd Floor, Faculty of Medicine

| | |
|------------------|--|
| Chairperson | Dr.Damith Karunarathne <i>Head – Department of Communication & Media Technologies, UCSC</i> |
| 1300 – 1305 hrs | Introduction of the Chair |
| 1305 – 1310 hrs | Preliminary Remarks by the Chair |
| 1310 - 1320 hrs | Digital Certificate Management System for eHealth and mHealth Practitioners in Sri Lanka to Secure Medical Data <i>TMKK Jinasena, RGN. Meegama and RB Marasinghe</i> |
| 11320 - 1330 hrs | Building digitally inclusive differently abled community in Sri Lanka: a Information and Communication Technology(ICT) policy framework <i>N Wedasinghe, N Sirisoma and APR Wicramarachchi</i> |
| 1330 - 1340 hrs | An Image Processing Application for Diagnosing Acute Lymphoblastic Leukemia (ALL) <i>JKC Shyalika, PPNV Kumara and D Kottahachchi</i> |
| 1340 – 1350 hrs | Conceptual Approach Towards Stateful Computation Offloading in Resource Constraint Android Devices <i>P Vekneswaran and NR Dissanayake</i> |
| 1350 – 1400 hrs | Towards Email-based Workflow Automation <i>HD Rajapakse and NR Dissanayake</i> |
| 1400 – 1410 hrs | Digital Certificate Management System for eHealth and mHealth Practitioners in Sri Lanka to Secure Medical Data <i>TMKK Jinasena, RGN. Meegama and RB Marasinghe</i> |
| 1410 – 1420 hrs | Automated Garbage Collection Alert System <i>UVA De silva, LD Ranatunge, KA Weeraman, GSA De silva and ADAI Gunasekara</i> |
| 1420 – 1440 hrs | Question and Answer Session |
| 1440 – 1445 hrs | Summing up by the Chair |
| 1445 – 1500 hrs | Refreshments |

COMPUTING

Session IV: Emergence of Data Communication Management

Venue: LT03, 3rd Floor, Faculty of Medicine

| | |
|-----------------|--|
| Chairperson | Dr. Ruwan Wickramarachchi HOD Industrial Management Department, Faculty of Science, University of Kalaniya |
| 1500 – 1505 hrs | Introduction of the Chair |
| 1505 – 1510 hrs | Preliminary Remarks by the Chair |
| 1510 - 1520 hrs | National Forensic DNA Database Management System For Criminal Investigations <i>NCD Arambawela, PPNV Kumara, CP Waduge, WJ Samaraweera and A Manamperi</i> |
| 1520 - 1530 hrs | Analysis of Systematic Data Mining Approaches for Achieving Competitive Advantage by Monitoring Social Media <i>MMF Naja and MII Mohamed</i> |
| 1530 - 1540 hrs | Domestic Services Management System: A Sri Lankan Perspective <i>SHYS Wickramaratne and N Wedasinghe</i> |
| 1540 – 1550 hrs | An Online IT Help Desk to Help Students in Learning <i>MND Salgado, PU Charuka, KP Bashitha, SC Eshwarage and MKA Ariyaratne</i> |
| 1550 – 1600 hrs | An Infrastructure Service Suggestion System for Data Communication Network: Local area network <i>HAHV Halwatura and RPS Kathriarachchi</i> |
| 1600 – 1610 hrs | A Comparison of Delta Communication Technologies and Techniques <i>NR Dissanayake and GKA Dias</i> |
| 1610 – 1625 hrs | Question and Answer Session |
| 1625 – 1635 hrs | Summing up by the Chair |
| 1635 – 1645 hrs | Announcement of best Oral and Poster awards |

MEDICINE

Session I

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

| | |
|-----------------|--|
| Chairpersons | Snr,Prof. ND Warnasuriya Department of Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University. |
| 0830 – 0835 hrs | Introduction of the Chair |
| 0835 – 0840 hrs | Preliminary Remarks by the Chair |
| 0840 - 0850 hrs | Clinical Audit on Effective Usage of Partogram in Obstetric Unit B of DGH-Kaluthara from 01st of March to 31st of May 2016 <i>DS Jayaweera</i> |
| 0850 - 0900 hrs | Knowledge and practices on birth preparedness and complication readiness among antenatal mothers; A study from southern province <i>L Dasanayaka and SMT Ganewatta</i> |
| 0900 - 0910 hrs | Prevalence and risk factors of selected occupational health problems of teachers working in Biyagama educational division Sri Lanka <i>PH Lakmani, MWK Gamage and PV de Silva</i> |
| 0910 – 0920 hrs | Non-communicable disease (NCD) burden in women during menopause transition and early post-menopausal period presenting for NCD screening in a NCD clinic in Sri Lanka <i>PM Atapattu, N Sivanantham, HAR Ranawaka, ADA Fernando, S Wasalathanthri and WGRC Wathugala</i> |
| 0920 – 0930 hrs | Validity of Sri Lankan Diabetes Risk Score (SLDRISK) as a diabetes-screening tool for real life diabetes screening in a high-risk population <i>P Katulanda, G Katulanda, GR Constantine, PC Karunananda, PK Amarasinghe, MMR Nishadi, APM Weerasinghe, IA Maharambe, SP Anthonis, C Senevirathna, R Kumarage, T Gangodawila, DR Samaratunge, SS Madawanarachchi and BAVS Bamunuarachchi</i> |
| 0930 – 0940 hrs | Research in to history: Forensic aspect of the death of King Seethawaka Rajasinghe – Circumstances and cause of death <i>NDNA Mendis, RARP Susantha and YMKA Yapa</i> |
| 0940 – 0950 hrs | Question and Answer Session |
| 0950 – 1000 hrs | Summing up by the Chair |
| 1000 – 1030 hrs | Refreshments |

MEDICINE

Session II

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

| | |
|-----------------|--|
| Chairpersons | Snr. Prof. Rohini Fernandopulle Department of Para Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University |
| 1030 – 1035 hrs | Introduction of the Chair |
| 1035 – 1040 hrs | Preliminary Remarks by the Chair |
| 1040 - 1050 hrs | Dental fluorosis, drinking water and participant perspectives: A cross-sectional study among students of a national school in Anuradhapura <i>WIP Jayasundara, JGKD Jayawardena, MJF Jazla, BMS Karunathilaka, JACN Karunathilaka, DMR Kaushalya and D Rathish</i> |
| 1050 - 1100 hrs | Serum Calcium & Bone specific Alkaline Phosphatase in Lumbar Disc Herniation and Degeneration <i>ND Withanage, S Perera, H Peiris and LV Athiththan</i> |
| 1100 - 1110 hrs | A study to compare the prevalence of anaemia in Chronic Kidney Disease of uncertain etiology (CKD-u) patients in Girandurukotte and Wilgamuwa with Chronic Kidney Disease (CKD) patients in Kandy <i>WBNT Fernando, RMPM Rathnayake, HTK Abeyundara, Z Badurdeen and N Nanayakkara</i> |
| 1110 – 1120 hrs | Urinary biomarkers KIM-1 and NGAL may predict Chronic Kidney Disease of uncertain etiology (CKDu) among Sugarcane farmers in Sri Lanka <i>EMDV Ekanayake, KSM Abdul, WAKG Thakshila, MAGD Samanmali, SS Jayasinghe, EPS Chandana, C Jayasumana, SH Siribaddana and PMCS De Silva</i> |
| 1120 – 1130 hrs | Health seeking behaviour and non-communicable diseases: Men over 40 years of age in Colombo district <i>APHS Jayarathne and IS Samarakoon</i> |
| 1130 – 1150 hrs | Question and Answer Session |
| 1150 – 1200 hrs | Summing up by the Chair |
| 1200 – 1300 hrs | Lunch |

MEDICINE

Session III

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

| | |
|-----------------|--|
| Chairpersons | Snr. Prof. SR De Alwis Seneviratne Department of Para 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 | Factors contributing to the stress in school environment among adolescents in colombo district sri lanka <i>LS Kaththiriarachchi, DC Hewage, SW Wimalasekera, R Rajan and ALS Mendis</i> |
| 1320 - 1330 hrs | Knowledge and attitude on child psychiatric disorders in Sri Lankan parents attended to outpatient department of a tertiary care center <i>D Rupasinghe, N Liyanage, MFSP Seneviratne and THR Samanmalee</i> |
| 1330 - 1340 hrs | Evaluation of Structure and Content of Forensic Psychiatric Reports (FPR) at Forensic Psychiatry Unit, National Institute of Mental Health (NIMH), Sri Lanka <i>CTK Fernando, GU Rambukwella, LNP Samarsinghe, MP Kumbukage, TDJB Kamalrathne and NFJ Fernando</i> |
| 1340 – 1350 hrs | An unusual form of complex suicide <i>SAC Nandasiri, P Senarath and SR Hulathduwa</i> |
| 1350 – 1400 hrs | Knowledge and current practices of breaking bad news among junior doctors in a group of hospitals in Colombo <i>ANT Weerasinghe, IGPN Weerasinghe, T Vidanagamachchi and D Fernando</i> |
| 1400 – 1420 hrs | Question and Answer Session |
| 1420 – 1430 hrs | Summing up by the Chair |
| 1430 – 1500 hrs | Refreshments |

MEDICINE

Session IV:

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

Chairpersons

Prof. W Abeyewickreme

Department of Para 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 **Antibiotic susceptibility pattern of the S. aureus isolates at a Tertiary Care Hospital**
FS Awos, H Abeygoonawardena, HMS Karunaratne, NS Chandrasiri and NP Senanayake
- 1520 - 1530 hrs **Antifungal sensitivity profile of Fusarium spp. resulting keratitits**
LSM Sigera, PI Jayasekera, ULF Shabry and MAI Malkanthi
- 1530 - 1540 hrs **Inducible Clindamycin Resistance in Staphylococci: Should Clinicians and Microbiologists be Concerned?**
FS Sally, H Abeygoonawarden, HMS Karunaratne, NS Chandrasiri and NP Senanayake
- 1540 – 1550 hrs **Identification Of Peptide Markers For Specific Diagnosis Of Japanese Encephalitis**
PD Pushpakumara, JMKC Jeewandara, GN Malavige and CL Goonasekara
- 1550 – 1600 hrs **Knowledge, Attitude and Practice towards common adult eye disorders among over 40 years patients attending to Medicine and Surgical clinics of the National Hospital-Sri Lanka**
MHDM Karunasiri, C Karunaratne and KC Karunasena
- 1600 – 1610 hrs **Association of bio-impedance analysis and somatotyping among healthy rural male and female populations**
RGL Rathnayake, UPK Hettiaratchi and PPR Perera
- 1610 – 1620 hrs Question and Answer Session
- 1620 – 1630 hrs Summing up by the Chair
- 1630 – 1645 hrs Announcement of best Oral and Poster awards

BASIC AND APPLIED SCIENCES

Session I: Health and Nutrition

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

| | |
|-----------------|--|
| Chairperson | Professor J Welihinda Professor of Biochemistry, Faculty of Medicine, General Sir John Kotelawala Defence University, Sri Lanka |
| 0830 – 0835 hrs | Introduction of the Chair |
| 0835 – 0840 hrs | Preliminary Remarks by the Chair |
| 0840 - 0850 hrs | Reporting the in vitro antimicrobial activity of <i>Lactobacillus plantarum</i> gp 106 isolated from Sri Lankan green banana DMWD Divisekera, JKRR Samarasekera, MI Choudhary, C Hettiarachchi, J Goonerathne and S Gopalakrishnan |
| 0850 - 0900 hrs | Macronutrient intake and nutrition knowledge of endurance swimmers of the civil security department of Sri Lanka DMCHB Dissanayaka, KC Gunasekara and S Weerasinghe |
| 0900 - 0910 hrs | Effect of relative strength and skeletal muscle mass percentage on performance of junior swimmers in Colombo district K Manawadu, RMPM Rajakaruna |
| 0910 – 0920 hrs | Dietary supplement usage and nutrition knowledge of team sport athletes in selected universities WMNS Wijethunga, S Weerasinghe |
| 0920 – 0950 hrs | Question and Answer Session |
| 0950 – 1000 hrs | Summing up by the Chair |
| 1000 – 1030 hrs | Refreshments |

BASIC AND APPLIED SCIENCES

Session II: Environmental Sciences

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

| | |
|-----------------|--|
| Chairperson | Dr. S Premakumara Director General, Industrial Technology Institute. |
| 1030 – 1035 hrs | Introduction of the Chair |
| 1035 – 1040 hrs | Preliminary Remarks by the Chair |
| 1040 - 1050 hrs | Influence of water content, ligands and protons on metal release in heavy metal rich soils V Gunarathne, N Rajakaruna, M Vithanage |
| 1050 - 1100 hrs | Quantification of microorganisms associated with particulate matter within Kandy city RWK Amarasekara, M Vithanage, P Samaraweera, MM Hettiarachchi and DN Magana-Arachchi |
| 1100 - 1110 hrs | Molecular characterization and phylogenetic analysis of <i>Staphylococcus</i> sp. Found from industrial waste water WMNH Kumari, CD Wijayarathna, and NV Chandrasekharan |
| 1110 – 1120 hrs | Behavioural changes caused by waterborne acetaminophen exposure in the guppy <i>Poecilia reticulata</i> HRSC Peiris, SHNP Gunawickrama, and KBS Gunawickrama |
| 1120 – 1130 hrs | Molecular and morphological diversity assessment in flowering related traits of mungbean (<i>Vigna radiata</i>) DIVW Thilakarathna, NS Kottearachchi, MJMP Kumararathna |
| 1130 – 1145 hrs | Question and Answer Session |
| 1145 – 1200 hrs | Summing up by the Chair |
| 1200 – 1300 hrs | Lunch |

BASIC AND APPLIED SCIENCES

Session III: Drug Discovery and Development I

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

| | |
|------------------|---|
| Chairperson | Dr. C L Goonasekara Head- Biochemistry, Snr Lecturer in Biochemistry, Department of Pre Clinical Sciences, General Sir John Kotelawala Defence University |
| 1300 – 1305 hrs | Introduction of the Chair |
| 1305 – 1310 hrs | Preliminary Remarks by the Chair |
| 1310 - 1320 hrs | Antioxidant activities of soluble phenolic compounds of Sri Lankan rice varieties |
| 11320 - 1330 hrs | HMAJ Herath, KDD Dissanayaka, GAP Chandrasekara Determination of in vitro antimicrobial activity of selected marine sponges found in Sri Lanka |
| 1330 - 1340 hrs | MKGB Dilrukshi, S Hettiarachchi, EMRKB Edirisinghe Optimization of parameters and development of cost effective method for isolation and propagation of umbilical cord blood derived mesenchymal stem cells |
| 1340 – 1350 hrs | D Perera, P Soysa, S Wijerathne and I Khan High antioxidant efficacy of legume phenolics extracted at low temperature |
| 1350 – 1400 hrs | HMAJ Herath, ALF Shifna, DHS Dileka and GAP Chandrasekara Comparing the metabolic activity of stem cells in collagen gels as a potential therapeutic in nerve tissue engineering |
| | L Thanabalasundaram, L Stevanato, J Sinden and JB Phillips |
| 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: Drug Discovery and Development II

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

| | |
|------------------|---|
| Chairperson | Prof. R Perera Director, KDU-CARE, General Sir John Kotelawala Defence University |
| 1500 – 1505 hrs | Introduction of the Chair |
| 1505 – 1510 hrs | Preliminary Remarks by the Chair |
| 1510 - 1520 hrs | Progress of mapping QTLs for root traits on chromosome 10 in rice (<i>Oryza sativa</i>) using elite rice background |
| 1520 - 1530 hrs | MSF Saliha, DR Gimhani and NS Kottearachchi Antimicrobial properties of finger millet (<i>Eleusine coracana</i>) varieties of Sri Lanka |
| | SAS Jayawardana, JKRR Samarasekera, MI Choudhary, R Maharjan, GHCM Hettiarachchi, J Gooneratne |
| 11530 - 1540 hrs | Anti-oxidant and anti-proliferative activity of Triphala JWN Yasara and P Soysa |
| 1540 – 1550 hrs | Phytochemical screening and antioxidant activity of water and ethanolic extracts of <i>Annona muricata</i> (soursop) fruit |
| 1550 – 1600 hrs | CM Rajapaksha, HC Manawadu Probiotic potential of exopolysaccharide producing <i>Lactobacillus plantarum</i> sp. Isolated from sri lankan dairies |
| | DU Rajawardana, CM Nanayakkara and IGN Hewajulige |
| 1600 – 1625 hrs | Question and Answer Session |
| 1625 – 1630 hrs | Summing up by the Chair |
| 1630 – 1645 hrs | Announcement of best Oral and Poster awards |

ALLIED HEALTH SCIENCES

Session I: Radiography & Radiotherapy

Venue: LL1 , 4th Floor, Faculty of Medicine

| | |
|-----------------|---|
| Chairperson | Dr. Jayantha Balawardena Head of the Department, Department of Radiography & Radiotherapy, Faculty of Allied Health Sciences, General Sir John Kotelawala Defence University |
| 0830 – 0835 hrs | Introduction of the Chair |
| 0835 – 0840 hrs | Preliminary Remarks by the Chair |
| 0840 - 0850 hrs | Assessment of Frequency of Errors in Dental Panoramic Radiographs at Dental Hospital, Peradeniya, Sri Lanka <i>AJSP Nileema, L Thasanthan and DLBO Abayarathna</i> |
| 0850 - 0900 hrs | Knowledge on Breast Cancers amongst females in Katuwawela North, Boralesgamuwa, Sri Lanka <i>AH Somathilake, CM Hettiarachchi, HS Niroshani and SH Egodage</i> |
| 0900 - 0910 hrs | Radiation dose received to thyroid glands of patients undergoing mammography; a comparison of Cranio Caudal (CC) and Medio Lateral Oblique (MLO) views <i>GGC Perera, WSS Jayasinghe, WBC Nisansala, DDN Wimalarathna, GLS Galgamuwa and G Senanayake</i> |
| 0910 – 0920 hrs | Patient’s Perceptions and Knowledge Regarding to the Nuclear Imaging Examinations at a Selected Hospital, Sri Lanka <i>DMPR Dissanayaka, N Jayabhaskar, P Sathyathas and JMC Udugama</i> |
| 0920 – 0930 hrs | A case report of radiotherapy for oesophageal carcinoma patient with implanted permanent pacemaker <i>JR Cooray, A Ramalingam, M Jeyasuthan and S Shajiththa</i> |
| 0930– 0950 hrs | Question and Answer Session |
| 0950 – 1000 hrs | Summing up by the Chair |
| 1000 – 1030 hrs | Refreshments |

ALLIED HEALTH SCIENCES

Session II: Medical Laboratory Sciences

Venue: LL1 , 4th Floor, Faculty of Medicine

| | |
|-----------------|---|
| Chairperson | Snr.Prof.B.M. Rohini Fernandopulle Department of Para Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University |
| 1030 – 1035 hrs | Introduction of the Chair |
| 1035 – 1040 hrs | Preliminary Remarks by the Chair |
| 1040 - 1050 hrs | Association between changes in liver transaminases and full blood count among patients with RT-PCR positive dengue and RT-PCR negative other febrile illnesses admitted to Teaching Hospital-Peradeniya, Sri Lanka <i>CK Nandasena, SC Abeysinghe, SAM Kularathna, U Ralapanawa, RMPM Rathnayake, JAJ Jayasinghe, TN Edussuriya, RPVJ Rajapakse and JMKB Jayasekara</i> |
| 1050 - 1100 hrs | Effect of Laboratory Culture Media, Encapsulated Layered Double Hydroxides on In-Vitro Pseudomonas aeruginosa Biofilms Growth <i>GK Wijesinghe, KAA Dilhari, GDB Gayani, S Kumarage and N Kottegoda</i> |
| 1100 - 1110 hrs | Prediction of the presence of Microalbuminuria by analysing total urine protein-to-creatinine ratio in diabetic nephropathy patients in District General Hospital, Ampara, Sri Lanka <i>GGPN Kulasooriya, RMSN Bandara, DVGC Priyadarshani, NDS Arachchige, JMKB Jayasekara, DARK Dayarathna, WAC Karunarathna, RMPM Rathnayake and RMI Ranaweera</i> |
| 1110 – 1120 hrs | Bacteraemia at Apeksha Hospital – Maharagama: identifying its prevalence and risk factors to improve health <i>SLA Lenaduwe, OPA Sandunika, SP Gunasekera, RD Widanagamage and P Dias</i> |
| 1120 – 1130 hrs | Association of Hypertension and Renal Impairment with different dietary patterns of apparently healthy individuals in area of Medical Officer of Health, Dompe , Sri Lanka <i>HKAS Madubhashini, JASN Jayasinghe, WPP Weerakkodi , DK Sampath, JMKB Jayasekara, A Balasuriya, AMN Ariyaratna, WAC Karunarathna and AAMDDN Amarathunga</i> |
| 1130 - 1140 | Correlation between Anaemia and Renal Function among type 2 Diabetes Mellitus patients in General Hospital, Ampara, Sri Lanka <i>EMDT Edirisinghe, HSN Peiris, JGA Sachinthana, KMGRRS Kariyawasam, JMKB Jayasekara, DARK Dayarathna, WAC Karunarathna, RMPM Rathnayake and RMI Ranaweera</i> |

Draft part I – Programme Book

| | |
|-----------------|-----------------------------|
| 1140 – 1155 hrs | Question and Answer Session |
| 1155 – 1200 hrs | Summing up by the Chair |
| 1200 – 1300 hrs | Lunch |

ALLIED HEALTH SCIENCES

Session III: Physiotherapy & Occupational Health

Venue: LL1 , 4th Floor, Faculty of Medicine

| | |
|------------------|--|
| Chairperson | Dr. Chandana Karunathilaka 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 | Determinants of Balance Confidence (BC) and Standing Balance Performance (SBP) in Stroke Survivors with Hemiplegia <i>MHH Sandaruwan and ADA Fernando</i> |
| 11320 - 1330 hrs | Comparison of Balance Deficiency in Chronic Low Back Pain Patients (CLBPPs) and Healthy Persons (HPs) <i>APGA Arunodanie and DBDL Samaranayake</i> |
| 1330 - 1340 hrs | Prevalence and related risk factors of recurrent falls among Ambulatory Community Dwelling Elderly in Galle District, Sri Lanka <i>N Priyadarshani, G Alwis and N Rathnayake</i> |
| 1340 – 1350 hrs | Factors Influencing on quality of Work-Life of The Nurses Working In Teaching Hospital Jaffna,Sri Lanka <i>WGRMS Nandakumara, D Thabotharan , L Kamalarupan and PAD Coonghe</i> |
| 1350 – 1400 hrs | Awareness of three wheeler drivers on first aid when handling and transporting traumatic victims following road traffic accidents in the Colombo district, Sri Lanka <i>RMHM Rathnayaka, KGC Lakmal, KWKM Waduge, AN Samaraweera, HMP Herath and HHLK Fernando</i> |
| 1400 – 1410 hrs | Risk factor distribution among people affected with the chronic kidney disease (CKD) in Padaviya, Sri Lanka <i>KIG Hevawitharana, PLBC Liyanage, ARN Silva, GWGP Kumara, RH Karunarithna, AV Ranasingha, JMKB Jayasekara, PGCL Nanayakkara, KBS Gunawickrama and SHNP Gunawickrama</i> |
| 1410 – 1425 hrs | Question and Answer Session |
| 1425 – 1430 hrs | Summing up by the Chair |

Draft part I – Programme Book

1430 – 1500 hrs Refreshments

ALLIED HEALTH SCIENCES

Session IV: Pharmacy

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 | Computational Study of Angiotensin Converting Enzyme and Renin with Phoenicanthusine <i>Sara Mariyam Abdulla, GAS Premkumara and P Ranasinghe</i> |
| 1520 - 1530 hrs | Factors related to readmission of patients with schizophrenia <i>KHAD Premadasa, MGS Malkanthi, KDSU Kumarage, HMSP Herath and BSS De Silva</i> |
| 11530 - 1540 hrs | Toxicity studies on aqueous extract of flower and stalk of Aponogeton crispus in rats D Hettiarachchi, A Isuru, R. Sarveswaran, WJABN Jayasuriya, H Dissanayake, TS Suresh |
| 1540 – 1550 hrs | Chronic Anti-Inflammatory Effect of Sudarshana Suspension on Adjuvant-Induced Arthritis in Rats <i>WASS Weerakoon, PK Perera, D Gunasekera and TS Suresh</i> |
| 1550 – 1600 hrs | Risk of diabetes mellitus in Ampara area using a risk prediction model: A case control study DVGC Priyadarshani, NDS Arachchige, GGPN Kulasooriya, RMSN Bandara, JMKB Jayasekara, DARK Dayarathna |
| 1600 – 1625 hrs | Question and Answer Session |
| 1625 – 1630 hrs | Summing up by the Chair |
| 1630 – 1645 hrs | Announcement of best Oral and Poster awards |

ALLIED HEALTH SCIENCES

Parallel Session I: Nursing & Midwifery I

Venue: LL2 , 4th Floor, Faculty of Medicine

| | |
|-----------------|---|
| Chairperson | Dr. Ayendra Balasuriya Faculty of Medicine, General Sir John Kotelawala Defence University |
| 0830 – 0835 hrs | Introduction of the Chair |
| 0835 – 0840 hrs | Preliminary Remarks by the Chair |
| 0840 - 0850 hrs | Knowledge, Attitudes and Practices towards Childhood Immunization among Mothers Attending Child Welfare Clinics in Medical Officer of Health area, Ratmalana, Sri Lanka <i>APGC Prasad, PAPP Panditharathna, RACJK Karunathilake, TMU Thilakarathne, HMSK Wijesiri and N de Silva</i> |
| 0850 - 0900 hrs | Scientometric Mapping of Mental Health Research Publications in India and Sri Lanka <i>KS Abu and K Abhayasinghe</i> |
| 0900 - 0910 hrs | Knowledge, Attitudes and Practices (KAP) about Dengue prevention among residents in Rathmalana MOH area <i>KMSDK Disanayaka, KANG Kanchana, EGAP Nayanajith, KPDB Samarasinghe, KGG Priyangika and PBV Navaratne</i> |
| 0910 – 0920 hrs | A review of sickle cell disease in Nigeria and the way forward <i>EO Shobowale</i> |
| 0920 – 0930 hrs | Post-Traumatic Stress Symptoms among Adolescents, who were exposed To Ammunition Depot Blast; Salawa - Sri Lanka <i>HHS Kaushalya, TT Ponnampereuma and B Wickramaarachchi</i> |
| 0930 - 0940 | Knowledge and Depression literacy among G.C.E. Advanced Level students in Kalutara Educational Zone <i>KMON Perera, KKGTLakmal, BS Chathurika, RKIS Jayawardhana, MPKW Abhayasinghe, K Jayaweera and A Sumathipala</i> |
| 0940– 0955 hrs | Question and Answer Session |
| 0955 – 1000 hrs | Summing up by the Chair |
| 1005 – 1030 hrs | Refreshments |

ALLIED HEALTH SCIENCES

Parallel Session II: Nursing & Midwifery II

Venue: LL2, 4th Floor, Faculty of Medicine

| | |
|-----------------|---|
| Chairperson | Dr. Namal Wijesinghe Head, Clinical Sciences, |
| 1030 – 1035 hrs | Introduction of the Chair |
| 1035 – 1040 hrs | Preliminary Remarks by the Chair |
| 1040 - 1050 hrs | Knowledge and attitudes of antenatal mothers regarding neonatal care in a selected Medical Officer of Health area, Sri Lanka <i>RADS Udayangi, TR Nilagarathna, SARS Subasinghe, HSMSK Wijesiri, and A Balasuriya</i> |
| 1050 - 1100 hrs | Domestic Violence Exposure of Married Women in Isurumuniya Phm Area in Anuradhapura, Sri Lanka <i>KSS Kaushalya, TT Ponnampereuma and T Abegunasekara</i> |
| 1100 - 1110 hrs | Patterns of healthcare seeking behaviour during bouts of Upper Respiratory Tract Illnesses among preschool children in Kurunegala Municipal Council Area, Sri Lanka <i>RDUP Sugathapala, A Balasuriya, ST Kudagammana and TMSUB Tennakoon</i> |
| 1110 – 1120 hrs | Impact of socio-demographic status on quality of life of pre and postmenopausal women in Galle, Sri Lanka N Rathnayake, J Lenora, G Alwis, S Lekamwasam |
| 1120 – 1130 hrs | Depressive symptoms among Cancer Patients Undergoing Chemotherapy at Teaching Hospital, Kandy, Sri Lanka JAD Iroshika Kumari, S Rathnayake |
| 1130 – 1155 hrs | Question and Answer Session |
| 1155 – 1205 hrs | Summing up by the Chair |
| 1205 – 1300 hrs | Lunch |

LAW

Session I: Rethinking Intellectual Property Rights in the modern global context

Venue: Main Auditorium, Academic Building

| | |
|-----------------|---|
| Chairperson | Associate Professor Leanne Wiseman Griffith Law School, Nathan Campus, Griffith University, Australia |
| 0830 – 0835 hrs | Introduction of the Chair |
| 0835 – 0840 hrs | Preliminary Remarks by the Chair |
| 0840 - 0850 hrs | Does Sri Lanka need a system for registering Geographical Inactions? <i>Dr Althaf Marsoof</i> |
| 0850 - 0900 hrs | Greening Patent Law: The Sri Lankan Perspectives <i>LM De Silva</i> |
| 0900 - 0910 hrs | Evolution of the digital Copyright industry: Are we ready to face dynamic changes? <i>DSR Jayawardena and MAN Chandratilaka</i> <i>BMKS Balasuriya</i> |
| 0910 – 0920 hrs | Challenges relating to cross border flows of data <i>Chamindi Ekanayake</i> |
| 0920 – 0930 hrs | Reconciling Breeder’s rights and Farmer’s rights for food security in Sri Lankan context; Comparison with India <i>MDM Cooray</i> |
| 0930 – 0950 hrs | Question and Answer Session |
| 0950 – 1000 hrs | Summing up by the Chair |
| 1000 – 1030 hrs | Refreshments |

LAW

Session II: **Conservation of Natural Resources, Sustainable Development and the Role of Law**

Venue: Main Auditorium, Academic Building

| | |
|-----------------|--|
| Chairperson | Mr. Priyantha Navana Deputy Solicitor General, Attorney General's Department |
| 1015 – 1030 hrs | Introduction of the Chair |
| 1035 – 1040 hrs | Preliminary Remarks by the Chair |
| 1040 – 1050 hrs | Turn to your Duties to retain your Rights: Critical analysis on Right to Water <i>Major D P Aluthge</i> |
| 1050 – 1100 hrs | State Responsibility and Legal Framework of Sri Lanka in food safety <i>MKG Jeewanthi</i> |
| 1100 – 1110 hrs | Triumvirate of Transboundary Movements of Hazardous Wastes and Developing Countries <i>BKM Jayasekera and AA Edirisinghe</i> |
| 1110 -1120 hrs | Throwback on the Process of Registration of Condominium Properties <i>BC Eliyadura</i> |
| 1120 – 1145 hrs | Question and Answer Session |
| 1145 – 1200 hrs | Summing up by the Chair |
| 1200 – 1300 hrs | Lunch |

LAW

Session III: Emerging Trends in Corporate and Commercial Law: Challenges and Responses

Venue: Main Auditorium, Academic building

| | |
|-----------------|---|
| Chairperson | Dr. Chamila Thalagala |
| 1300 -1305 hrs | Introduction of the Chair |
| 1305 -1310 hrs | Preliminary Remarks by the Chair |
| 1310 – 1320 hrs | Beware if you are being a Cheap Charlie: Used Goods and Merchantable Quality <i>Y Wijerathna</i> |
| 1320 – 1330 hrs | Financial Transactions Reporting: An Overview of the Sri Lankan Law <i>JADC Jayasinghe</i> |
| 1330 – 1340 hrs | Tax Amnesties: The Case of Sticks and Carrots <i>M Dissanayake, S Madushani and K Weerakkody</i> |
| 1340 – 1350 hrs | Reforms to the International Trade Regime for the Protection of Marine Living Resources <i>K.M. Chetana Rukshani Karunatilaka</i> |
| 1350 – 1415 hrs | Question and Answer Session |
| 1415 – 1430 hrs | Summing up by the Chair |
| 1430 – 1500 hrs | Refreshments |

LAW

Session IV: Justice, Constitutional Reforms and Rights of the People

Venue: Main Auditorium, Academic building

| | |
|-----------------|--|
| Chairperson | Professor A.H.A. Soons Institute of Public International Law, Utrecht University, Netherland. |
| 1500 – 1505 hrs | Introduction of the Chair |
| 1505 – 1510 hrs | Preliminary Remarks by the Chair |
| 1510 – 1520 hrs | Causation and the liability for non- disclosure of risk in Sri Lanka; vindicating rights of patients by lightening principle of causation KNT Dayarathna |
| 1520 – 1520 hrs | Sri Lankan legal version of migrant workers' rights: how it is and how it shall be <i>NKK Mudalige</i> |
| 1530 – 1540 hrs | Health Information Privacy and Right to Information: A case study of India and Sri Lanka <i>UM Sapukotana</i> |
| 1540 – 1550 hrs | The Office on Missing Persons (Establishment, Administration and Discharge of Functions) Act, No.14 of 2016; A way forward <i>IK Munasinghe</i> |
| 1550 – 1600 hrs | The Implementation of Constitutional Ouster Clauses in Sri Lanka: A Sisyphean Task? <i>N Gunawardena</i> |
| 1600 - 1620 hrs | Question and Answer Session |
| 1620 - 1630 hrs | Summing up by the Chair |
| 1630 – 1645 hrs | Announcement of best Oral and Poster awards |

MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Session I: Changing Dynamics in Public Policy Concerns/ Studies

Venue: conference room - FDSS , Academic Building

| | |
|-----------------|--|
| Chairperson | Dr. MG Kularathne |
| 0830 – 0835 hrs | Introduction of the Chair |
| 0835 – 0840 hrs | Preliminary Remarks by the Chair |
| 0840 - 0855 hrs | The factors that affected to the demand for private universities education AMI Gunarathna |
| 0855 - 0910 hrs | Globalisation and Town Identity Haresh Narayan Pandey |
| 0910 - 0925 hrs | Effects of Anthropogenic Activities on Natural Environment in Kotmale Catchment (Special reference to Malhewa, Ramboda and Wedamulla GN Divisions) GOG Madhushani and HMP Herath |
| 0925 – 0940 hrs | Exploring the Awareness of Waste Disposal and Suggesting Future Suggestions for managing waste: A Case Study in the Faculty of Agriculture, University of Ruhuna SSM Peramunagama, PC Sandarenu and GC Samaraweera |
| 0940 – 0955 hrs | Question and Answer Session |
| 0955 – 1000 hrs | Summing up by the Chair |
| 1000 – 1030 hrs | Refreshments |

MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Session II: **Changing Dynamics in Critical Social Studies**

Venue: conference room - FDSS , Academic Building

Chairperson

Rev. Prof. W. Wimalarathana

1030 – 1035 hrs

Introduction of the Chair

1035 – 1040 hrs

Preliminary Remarks by the Chair

1040 - 1055 hrs

Presentation and correlates of moral injury as a response to Past transgression

KAC Karunarathna

1055 - 1110 hrs

Exclusion within Exclusion: Gender Stereotyping of Vocational Training in Prison

WAS Thilanka

1110 - 1125 hrs

Key actors in Agenda- Setting on LGBTQ (Lesbian, Gay, Bisexual, Trans and Queer) rights: positive and negative role

KLSS Jayarathne

1125 – 1150 hrs

Question and Answer Session

1150 – 1200 hrs

Summing up by the Chair

1200 – 1300 hrs

Lunch

MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Session III: Changing Dynamics in Language and Literature

Venue: conference room - FDSS , Academic Building

| | |
|-----------------|--|
| Chairperson | Prof. EA Gamini Fonseka |
| 1500 – 1505 hrs | Introduction of the Chair |
| 1505 – 1510 hrs | Preliminary Remarks by the Chair |
| 1510 - 1525 hrs | Counterattacking Misogyny, Cultural Constraints and Stereotypes with <i>Deepa Mehta's 'Fire' (1996) and 'Water' (2005)</i> UPNN Pathirana |
| 1525 - 1540 hrs | The Gaze, Image, and (Hi)stories: A Critical Review of the Representation of the Rape and Murder of Vithya Sivaloganathan DDL Willarachchi |
| 1540 - 1555 hrs | The Contact between Sinhala and English Orthography in Online Text Messages N Malalasekera |
| 1555 – 1610 hrs | Sinhala and Tamil Influence on Sri Lankan English Particle Use: A Corpus-based Study on the Case of 'for' MDSS Kumara |
| 1610 – 1625 hrs | Question and Answer Session |
| 1625 – 1635 hrs | Summing up by the Chair |
| 1630 – 1645 hrs | Announcement of best Oral and Poster awards |

MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Session IV: Changing Dynamics in English Language Teaching (ELT) and Linguistics

Venue: Mini Auditorium, Academic Building

Chairperson **Dr. Asantha Aththanayake**

| | |
|-----------------|---|
| 1500 – 1505 hrs | Introduction of the Chair |
| 1505 – 1510 hrs | Preliminary Remarks by the Chair |
| 1510 - 1525 hrs | University learners' performance in using the definite article in definite contexts versus the indefinite article in indefinite contexts M Samaranayake |
| 1525 - 1540 hrs | The Use of First Language in Teaching Second Language Vocabulary to Sri Lankan Undergraduates WMMMJT Weeraratna, MTN Wijetunge and VU Jayasinghe |
| 1540 - 1555 hrs | The impact of Academic Emotions on Language Learning in the university context: a Narrative Review PC Wathuge |
| 1555 – 1610 hrs | A Small-Scale Genre Analysis Study Of The Introductions Of A Corpus Of Postgraduate Essays In The Field Of Applied Linguistics W Abeyawickrama |
| 1610 – 1625 hrs | Question and Answer Session |
| 1625 – 1635 hrs | Summing up by the Chair |

MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Parallel Session I: **Changing Dynamics in Green Practices**

Venue: Mini Auditorium, Academic Building

| | |
|-----------------|---|
| Chairperson | Prof. Weerakoon Banda |
| 0830 – 0835 hrs | Introduction of the Chair |
| 0835 – 0840 hrs | Preliminary Remarks by the Chair |
| 0840 - 0855 hrs | Identifying the Impact of Banking Products to Green Banking Initiatives: Case Study for a State Bank AH Wickramarachchi and A Wijenayake |
| 0855 - 0910 hrs | Analysis of the impact of Green Practices on the performance of Large Scale Apparel Industry of Sri Lanka SYD Wanniarachchi and DR Ratnajeewa |
| 0910 - 0925 hrs | Determinants of Corporate Sustainability Reporting: Empirical Evidence from Sri Lankan Listed Companies RMNC Swarnapali, Luo Le and KD Prasangika |
| 0925 – 0940 hrs | Disaster Mitigation Strategies in Urban Development: With Special Reference to Kaduwela Area PBWS Malshani and ID Wattuhewa |
| 0940 – 0955 hrs | Question and Answer Session |
| 0955 – 1000 hrs | Summing up by the Chair |
| 1000 – 1030 hrs | Refreshments |

MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Parallel Session II: **Changing Dynamics in Manufacturing Practices**

Venue: Mini Auditorium, Academic Building

| | |
|-----------------|---|
| Chairperson | Dr. R.A Rathanasiri |
| 1030 – 1035 hrs | Introduction of the Chair |
| 1035 – 1040 hrs | Preliminary Remarks by the Chair |
| 1040 - 1055 hrs | The Effects of Corporate Governance on Capital Structure: A study of Listed Manufacturing Companies in Sri Lanka WDH De Mel and MMLC Gunathilake |
| 1055 - 1110 hrs | Cost Optimization of Distribution network in Coca Cola Beverages Sri Lanka Limited SU Wijayadasa and DGND Jayarathna |
| 1110 - 1125 hrs | Determining the Statistical Process Control Limits for uncertified Sri Lanka Standard (SLS) Boxes of Matches in Sri Lankan Market RASA Perera, KWGMNB Mudannayaka and RAGS Rupasinghe |
| 1125 – 1140 hrs | Analysis of Factors Affecting the Effectiveness of Indirect Procurement Process of Manufacturing Firms DR Ratnajeewa and HN Adipola |
| 1140 – 1155 hrs | Question and Answer Session |
| 1155 – 1200 hrs | Summing up by the Chair |
| 1200 – 1300 hrs | Lunch |

MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Parallel Session III: Changing Dynamics in Organizational Practices

Venue: Class room, Academic Building

| | |
|------------------|--|
| Chairperson | Prof. Milton Rajarathna |
| 1300 – 1305 hrs | Introduction of the Chair |
| 1305 – 1310 hrs | Preliminary Remarks by the Chair |
| 1310 - 1325 hrs | Impact of Human Resource Practices on Enterprise Performance in Small and Medium-Sized Enterprises of Sri Lanka KH Malwenna |
| 11325 - 1340 hrs | A study on the factors influencing the use of e-commerce by customers in Colombo with respect to B2C market SL Lokuhitige and LU Ranwala |
| 1340 - 1355 hrs | The impact of Micro Financial Support on development of Small and Medium Scale Enterprises (SMEs) (With special reference to Anamaduwa Divisional Secretariat in Puttlam District) NM Wijesekara and P Lankeshwara |
| 1355 – 1410 hrs | Study on Job Satisfaction and Absenteeism among Senior& Junior Sailors of Medical Branch in Sri Lanka Navy AH Mullegama , Henegama , PVG Priyantha, A Jayasinghe and KAC Karunarathna |
| 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: Changing Dynamics in Logistics & Transport

Venue: Class room, Academic Building

| | |
|-----------------|---|
| Chairperson | Prof. Saman Bandara |
| 1500 – 1505 hrs | Introduction of the Chair |
| 1505 – 1510 hrs | Preliminary Remarks by the Chair |
| 1510 - 1525 hrs | Impact of Different Traffic Movements on Revenue of Bandaranaike International Airport (Aircraft Movements, Passenger Movements & Visitor Movements) GM Ranathunga, V Waidayasekera and R Mudunkotuwa |
| 1525 - 1540 hrs | Developing an Electronic Accident Reporting System to Sri Lankan Apparel Industry PMNP Wijerathne and NHC Manjula |
| 1540 - 1555 hrs | Determinants that Affect the Selection of a Logistics Service Provider in the Manufacturing Industry with Reference to Sri Lanka DR Ratnajeewa and EAKB Ekanayaka |
| 1555 – 1625 hrs | Question and Answer Session |
| 1625 – 1635 hrs | Summing up by the Chair |
| 1630 – 1645 hrs | Announcement of best Oral and Poster awards |

POSTER PRESENTATIONS

ENGINEERING

Venue:

- 1. Waste Elimination and Productivity Enhancement Framework for Aviation Maintenance Manpower through Value Stream Mapping**
WDT Fernando, PHPP De Silva and WTS Rodrigo
- 2. Cold Air Retainer Door Screening System an Effective Energy Saving Solution for Refrigerators**
PLLCS Alwis
- 3. Potable, economical Cooler by using microstructural Heat Transfer properties of terracotta**
T G D Peiris, RMPS Bandara and FBYR De Silva
- 4. Design and Development of Robot Based Smart Lawn Maintenance System**
L Sajeew R.Mechsy, MU Bikumjith Dias, Wijeratnun Pragith Kumar
- 5. Electroencephalogram (EEG) and Electromyography (EMG) Based Artificial Limb Control for Amputees**
KVPD Vidanalage, TWKU Chandrarathna, AAMDMP Wikramasinghe and KT Dananjaya
- 6. 3D Anthropometric Scanning based on Pattern Projection**
KVMS Somaratne and LR vitharana
- 7. Study of Double Side-Channel PCF for Surface-Enhanced Raman Spectroscopy**
Udaya Rahubadde and Li Xia
- 8. Smart Cane for Staircase and Water Detection**
BKTP Wickramasinghe, KKVS Anjana, GDTR Ratnasekara and DU Vidanagama
- 9. Characteristics of Railway-Roadway Level Crossings at Coastal Railway Line in Sri Lanka**
N Amarasingha, OHDS Gunathilake, K Ragulan, MPN Aravinda and WSHR Fernando
- 10. Influence of Vegetation Density on Vehicle Speed and Position of Roadway**
N Amarasingha, KMPA Rodrigo and TN Lankathiaka
- 11. Improvements in Pedestrian Facilities at Maharagama to Mitigate**

the Traffic Congestion

KPHS Kalahe, RMNT Sirisoma, SM Jayasekara, BS Jayasinghe, MSA Fernando, KGDS Ranasinghe, DS Arachchige, REA Wijewardane, RKDG Kaluarachchi, TGI Randika and SMSHB Senevirathne

12. Investigation of bottom ash as alternative stabilizer for Mud Concrete Block

Chameera Udawattha, Dharshana Jayasinghe, Rangika Halwatura

13. Cost Effective Construction Using Alternative Materials

JAA Jayasinghe and NK Gunasekara

14. Mathematical Analysis of Dengue Virus with Humoral Immune Response

SD Perera and SSN Perera

15. A new cosmological model including inflation, deceleration, acceleration and deceleration again

PVNMC Perera and KDWJ Katugampala

BUILT ENVIRONMENT AND SPATIAL SCIENCES

Venue: lobby area 3rd Floor, Faculty of Medicine

- 1. Study on effects of noise for the Total Station measurements in construction sites**

CD Iddagoda, MKC De Silva, GP Gunasinghe and KA Dinusha

- 2. Investigating the effect of sun position on the accuracy of digital level observations**

JMO Jayamanne, SBPLV Dayananda, AH Lakmal and AMAR Geethalankara

- 3. Factors affecting application of high-rise building technology for low-rise building construction in Colombo District**

DDTN De Silva and MMJ Fernando

COMPUTING

Venue: TL02, 3rd floor, Faculty of Medicine

1. Feasibility of Deploying Capability Maturity Model Integration in the Sri Lankan Software Industry

I De Silva

2. Live Update on Bus Routing Time Table Using Ajax Technology

AGRF Shereen

3. Incident Tracking and Monitoring System

WCL Kulasinghe, SJB Wijesundara, LRK Kahandagamage and STS De Silva

4. Military Situation Report System

L Wijethungaarachchi, W Wijekoon, LRK Kahandagamage and STS De Silva

5. Selecting the Best Squad for Real Madrid Football Team for La Liga Season 2016/17: A fuzzy-logic approach

AJA Dissanayake, ERAD Bandara

6. Web-based Applications: Extending the General Perspective of the Service of Web

NR Dissanayake, GKA Dias

7. Online Collaborative Drawing Board

WHMT Dinesh, S.C.M.de S Sirisuriya

8. Low Cost Plant Leaf Disease Recognition System for Novice Farmers

D Vithanage, T Tennakoon and TMKK Jinasena

9. Intelligent Personal Assistant: A Review

SN Rosa and B Hettige

10. Digital Disruption in Cyclic Consumer Service: Sri Lanka

MMLM Munasinghe, WHT Gunawardhana

11. Improving Association Rule Mining Algorithms towards Higher Customer Experience
TA Gunasekera, NR Dissanayake
12. Offline Document Summarizer
DMDKH Rathnasiri, SI Hewawasam, PAD Devinda, I Thrikawala and B Hettige
13. Review: Extraction Transform Load (ETL) Model for Employee Data Pre-processing and Churn Rate Prediction
RKAJK Ramanayake, SCM De S Sirisuriya
14. Towards ICT based Solution for Stuttering
KN Withanage, NR Dissanayake
15. Multi Agent through Action Detection Local Board Game Nerenchi
ST Wijewarnaarachchi, B Hettige
16. Privacy and Security Issues in Sri Lankan E-Commerce Technology
DAMD Dalugama, RMDNT Rajapakshe, M Shareef, and ADAI Gunasekara
17. Review of Online Fast Food Guiding System
S Galagoda, N Wedasinghe
18. Generalized Restaurants Management System
MNP Dhanasekara , N Wedasinghe
19. Data Mining and Time series forecasting: Sales and Inventory Management System with an integrated Decision Support Module
KG Hewa, MAJ Wijesekara, GWMH Jayathilake, RWMSV Maddeketiya and PPNV Kumara

MEDICINE

Venue: Lobby Area - Mini-lecture Theatre, 4th Floor, Faculty of Medicine

1. **Association of Parenting Styles and Eating Behaviours of Preschoolers in Nugegoda Health Unit Area**

CJ Wijesinghe and GK Wijewickrama

2. **Knowledge and Practices towards Prevention of Nosocomial Infections among nurses at National Hospital Colombo, Sri Lanka**

KT Dinesha, SJAA Indeewari, WMKKN Bandara, RDN Karunathilaka and WDD Silva

3. **Availability of equipment and other facilities needed to perform rectal examination in Teaching Hospital, Karapitiya**

CPR Yapa, DVSP De Silva, NS Walimuni, PDM Priyadarshani and MAM Ashkar

4. **A study on the prevalence of high cholesterol among aircrew members of Sri Lanka Air Force**

5. **Study of prevalence of anaemia in CKD-u patients in Girandurukotte and Wilgamuwa**

WBNT Fernando, RMPM Rathnayake, HTK Abeyesundara, Z Badurdeen, TW Hettiarachchi, S H T Sudeshika and N Nanayakkara

6. **Long term computer use on vision among undergraduates in University of Colombo, School of Computing**

MMSV Thilakarathne, HMM Udara, B Thucyanthan and P Ranasinghe

7. **Prevalence of Incidentally detected abnormalities of thyroid, liver, pituitary, adrenals, pancreas and ovaries in a Sri Lankan population; Preliminary results of a post-mortem**

P Katulanda, G Katulanda, AAH Priyani, MVC de Silva, A Tennakoon, N Somasundaram, RP Amararathna, U Attygalle, H Wijesinghe, GG Ranaweera, KRHS Anuradhika, S Ranasinghe, WVR Wickremasinghe, P Pirakash, MHDM Karunasiri, JE Liyanagunawardana, SP Anthonis, G Ranasinghe, AE Dissanayake, MAU Fernando and MWDAM Gunesekara

8. **Role of Darvee Guduchyyadee Gandusha in Mukhapaka - A**

Preliminary study

KPP Peiris, NS Abegunasekara and KI Sandamali

9. Molecular diagnosis of *Trichomonas vaginalis* infection using vaginal swabs

HMSP Herath, WMDR Iddawela, WDSJ Wickramasinghe and GC Pathirana

BASIC AND APPLIED SCIENCES

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

- 1. Anatomical variations of the vessels in the femoral triangle – a case report**
R Niranjana and S Udhayakumar
- 2. Adaptability of APSIM-maize model in intermediate zone of Sri Lanka**
AWI Chaturangi, WMCJ Wijekoon, MMDS Perera, HMPIK Herath, K Sakai and GY Jayasinghe
- 3. The effect of solvent type and reconstitution temperature on the solubility of commercially available milk powders in Sri Lanka**
JK Vidanarachchi, WVVR Weerasingha, M Gunawardana
- 4. Fungal pathogen associated with yam (*Dioscorea esculenta*) rot in Batticaloa district, Sri Lanka**
K Prasannath and S Karunakaran
- 5. A Fucoidan isolated from Sri Lankan marine brown alga *Chnoospora minima*; a Potential Inhibitor of LPS-Induced Inflammatory Responses**
KW Samarakoon, IPS Fernando, UKDSS Gunesekara, KKA Sanjeeva P Ranasinghe, GAS Premakumara, and YJ Jeon
- 6. Propensity of endemic *Exacum* spp. (Binara) as an ornamental plant: a case study among agricultural undergraduates, University of Ruhuna, Sri Lanka**
PCD Perera, AJMCM Sriwardana, and N Dahanayake
- 7. Impact of different types of background music on aerobic endurance among national taekwondo players: Sri Lankan perspective**
DN Dammullage, S Jaganenthiran, and L Jayasekara
- 8. Occurrence of some antibiotic-resistant enterobacter species at the turtle pond Bayazid Bostami Shrine, Chittagong, Bangladesh**
RNN Gamage and AD Phillott
- 9. Time series forecasting for gold price in Sri Lanka; Box-Jenkins approach**

KMEM Karunawardana, TMJA Cooray

10. Effects of high temperature on the growth and yield of selected chilli (*Capsicum annum L.*) cultivars

AIK Abeysekara, KHST Deshabandu, S Mahendran, S Puvanitha

11. Relationship between physical activity and Body Mass Index (BMI) and their associated factors in a middle-aged adult population in Karapitiya, Sri Lanka

RNN Gamage, KB Hasanthi and ATPL Abeykoon

12. Evaluation of genetic diversity of OSHKT8 gene in selected Sri Lankan rice varieties

BP Abhayawickrama, DR Gimhani and NS Kottearachchi

13. Assessment and reconstruction of AAHPER test for Sri Lankan youth aged 10-17

RDAM Somarathna, S Jeganenthiran and S Sabaanath

14. Designing a physical literacy model for Sri Lankan children grades 4 to 6 (8 to 12 years)

TADN Gnanarathna, S Jeganenthiran and S Sabaanath

15. Phylogenetic identification of *Caryota* (Kithul) strains using DNA barcoding

ACK Kumari, WWSR Wijewantha, CD Wijayarathna

16. Health and ecological risk assessment of heavy metals in atmospheric deposition in Kandy city and suburbs, Sri Lanka

L Weerasundara, DN Magana-Arachchi, DGGP Karunaratne, M Vithanage

17. Extrinsic factors affecting the most prominent injury pattern among Sri Lanka army football players

KC Gunasekara, LRND Weerathne, RK Attygalla

18. A study on the relationship between anthropometric characteristics and performance of junior national kabaddi players in Sri Lanka

DA Jayakody, I Ekanayake

19. Trends in production of principal agricultural crops in Sri Lanka and its contribution to the GDP

V Prasannath

20. Slippage of tradition and conversion into new technology in the paddy cultivation in Muthukandiya area

Rev. Balangoda Indarathana

21. Evaluation of the efficacy of dandruff care herbal oil in the management of *dārunaka* (dandruff)

JMSA Bandara, WJ Wickramarachchi

22. Phytochemical analysis and evaluation of total phenolic and flavonoid content of selected parts of *Caryota urens* (Kithul)

ST Ramu, TN Adikari, P Ranasinghe

ALLIED HEALTH SCIENCES

Venue: LL3 , 4th floor, Faculty of Medicine

1. **Knowledge and attitudes regarding the Emergency Contraceptive Pills among the Defence University students in Sri Lanka**

GJI Boteju, MABB Samaratunge, BMR Fernandopulle and MN Priyadarshanie

2. **Association of Mean Arterial Pressure, Impaired Glucose Tolerance and Body Mass Index with estimated Glomerular Filtration Rate among individuals in Dompe Medical Officer of Health area, Sri Lanka**

DK Sampath, WPP Weerakkody, HKAS Madhubashini, JASN Jayasinghe, WAC Karunaratne, JMKB Jayasekara, A Balasuriya, AMDN Amarathunga, AMN Ariyaratne and RMCM Wimalaratne

3. **Food Exchange List for Sri Lankan Diabetic Patients**

K Prasannath and S Karunakaran

4. **Association of gender difference and study discipline with absenteeism from academic activities and clinical training among undergraduates of Faculty of Allied Health Sciences, General Sir John Kotelawala Defence University**

HSMSK Wijesiri and D Vidanage

5. **A Study on the nutritional status and the academic performance among children aged 10 years in type three schools in Mawanella Educational Division, Sri Lanka**

WMTU Wijekoon, TM Senanayake, AP Merusinghe, SM Ramawickrama, RDUP Sugathapala and MDAS Gunathileke

6. **In-vitro evaluation of antirheumatoid arthritic and anti-inflammatory activities of aqueous bark extract of Brideliaretusa**

WGMM Jayawikrama, ARAMSSK Attanayake, YAAB Yapa, WD Ratnasooriya and RN Pathirana

7. **Comparison of dipstick and manual method for urine pH, sugar and protein in patients attending Out-patient departments laboratory, Teaching Hospital, Jaffna, Sri Lanka**

Sumana Sivalingam, Kesavan Vithegi, Sandrasegarampillai Balakumar and Rajendra Surenthirakumaran

8. **Development of Brief Image Quality Evaluation Criteria for Digital**

OrthoPantomography (OPG) Images in Dental Radiography

AMC Kumarihami, SDL Heshani, P Sathyathas and R Illeperuma

9. Knowledge and Attitudes of Cath Lab Nurses on Radiation Protection in Selected Hospitals of Western Province, Sri Lanka

RRWMGC Ranaweera, AMMS Costa, MAHA Wickramasinghe, RMHS Rathnayaka, DDN Wimalarathna and WD Rathnasooriya

10. Assessment of knowledge and perceptions of mothers on febrile convulsion in selected areas of Batticaloa district, Sri Lanka

A Loshannan, AAN Ruwendri, T Salome and A Anjela

11. Perception about the Nursing Profession, Socio Demographic Factors Influencing On The Perception And Preference To Choose Nursing As A Future Career Among Advanced Level Bioscience Students In The Jaffna Educational Zone, Sri Lanka

Shanmugasundaram Dhayani, K Sivapalan, Luxmi Kamalarupan and Deivy Thabotharan

12. Factors Affecting Anaemia Status and Nutritional Status in Pregnant Women in some areas of Estate Sector in Central Province, Sri Lanka

JK Vidanarachchi, HD Wijesinghe, WVVR Weerasingha, RMPM Rathnayake, SY Banadara, RMSP Rathnayake

13. Factors influencing levels of physical activity among walking tract users in Colombo district

Udara Gayan and Sudath Warnakulasuriya

14. Effect of bloodletting therapy (Rakthamokshana) and Srilankan traditional medicine on varicose veins (Shiraja Granthi) - A case study

MMAIP Wickramasingha and ERHSS Ediriweera

15. Effect of purgation (Virechana Karma) using Ehala Peni (Cassia fistula) and application of Kaluwala Alepa (Alpinia malaccensis) in treatment of Pityriasis versicolor (Sidhma Kushta) - A case study

WL Navodi and ERHSS Ediriweera

16. Effect of BMI on energy expenditure of elite female athletes

SMSH Sitinayake, LRND Weerathna and GLK Ekanayake

17. Association of Knowledge and Practices towards Prevention of Nosocomial Infections among nurses at National Hospital Colombo, Sri Lanka

KT Dinesha, SJAA Indeewari, WMKKN Bandara, RDN Karunathilaka

and WDD Silva

18. Current Physiotherapy Management of Infants with Torticollis among Physiotherapy Practitioners in Sri Lanka

ADP Perera, AG Madushani, DMRP Dissanayake, I Rodrigo, ME Fontaine and NA CL Nishshanka

19. Influence of socio-demographic factors on self- foot care practices among the patients with type 2 diabetic mellitus attending medical Clinic, Teaching Hospital, Jaffna

A Shamanthi, K Sivapalan and L Kamalarupan

20. Attitudes towards depression among G.C.E. Advanced Level students in Kalutara Educational Zone, Sri Lanka

KMON Perera, KKG T Lakmal, BS Chathurika, RKIS Jayawardhana, MPKW Abhayasinghe, K Jayaweera and A Sumathipala

21. Household medicine utilization and disposal practices; a survey conducted in ‘Werahera South’ Grama Niladari division, Sri Lanka

SBHP Kumari, HMNS Jayawardana and S Raveendrakumar

22. Knowledge, Practices and Attitudes regarding Contraceptive Methods among Tea-estate Workers in Hiniduma Area in Galle, Sri Lanka

T Mirihagalla, KG Imendra and T Sundarapperuma

23. Influence of physical activity pattern on Non-Communicable Diseases among adults in Beruwala MOH area, Sri Lanka

BDD Lakmali, G Alwis, and PN Kariyawasam

24. Forensic nursing aspects of managing child abuse cases

RHHD Madumali , UCP Perera, and Thilina Abegunasekara

25. Risk factors for harbouring drug resistant bacterial organisms in warded patients at Sri Jayewardanapura General Hospital(SJGH), Sri Lanka

VGM Sudarmika, MMHC Indunil, K Jayatilleke and R D Widanagamage

26. The Effect of Skill-Related Physical Fitness Components on Performance of Sri Lankan School Junior National Male Table Tennis Players

C Ginige, DA Jayakody and S Weerasinghe

27. Quality of life and its determinants in a heterogenous group of cancer patients in National Cancer Institute of Sri Lanka

D Rukshani, P Kahandawala, K Jayawardana, D Karunaratne, WGC Kumara and RMCRR Gamage

28. Awareness of complementary feeding practices among mothers attending child welfare clinics at Ratmalana, Medical Officer of Health (MOH) area

HMK Fernando, GDM Karunathilaka, MM Weerasinghe, RPR Rajapakse, RDPU Sugathapala and MDAS Gunathilake

29. Mothers' Knowledge and Attitudes regarding prevention and management of febrile seizures in children at Dehiwala MOH area, Sri Lanka

SS Weerasekara, SASK Dissanayake, KN Thilanka, WTS Induroshi, D Vidanage and GDI Rodrigo

30. Parental Awareness of risk factors, recognition and first aid management of accidental foreign body aspiration in children aged 1-5 years in Dehiwala-Ratmalana area, Colombo, Sri Lanka

SMDR Samarakoon, PAMT Polpitiya, SPPIMND Paramanayaka, THKP Apasara, HMP Herath and G Jayatilaka

31. Epidemiological characteristics among RT-PCR positive dengue patients and RT-PCR negative patients with other febrile illnesses admitted to Teaching Hospital – Peradeniya

SC Abeysinghe, CK Nandasena, SAM Kularathna, U Ralapanawa, RMPM Rathnayake, JAJ Jayasinghe, HR Wickramasinghe, RPVJ Rajapakse and JMKB Jayasekara

32. Dengue outbreaks in Sri Lanka from 2009 to 2016: an Epidemiological Review

MN Priyadarshanie, SD Medis, BK Weerasooriya, RM Pradeep, ML Madushani and JMKB Jayasekara

33. Menstrual hygiene management; awareness, practices and its impact on education among adolescent school girls in Galle

*JGAN Chathurika, TD Sundarapperuma, and **Janaka Lenora***

34. In-vitro antibacterial activity of some aquatic plants growing in waste water of Sri Lanka

ARN Silva, BAR Fernando, RGW Rajapaksha, TMAB Thennakoon, WD Ratnasooriya

35. *Combinative criteria for identifying stages of CKD patients using both eGFR and Urine Albumin to Creatinine ratio*

ARN Silva, DDS Dissanayaka, WAC Karunaratne, GWGP Kumara, RH Karunaratna,

PGCL Nanayakkara, KBS Gunawickrama, AV Ranasingha, JMKB Jayasekara,

SHNP Gunawickrama

LAW

Venue: Lobby area, 1st floor, Academic Building

1. Legitimate Capability of Executing the Death Penalty under Human Rights Law and Values
M.K.Geethani Jeewanthi
2. Protection of Women in Non International Armed Conflict- A Feminist Perspective
Janaka Selvaras
3. Decisive role of Roman law in development of International Law
Punsara Amarasinghe
4. Analysis of Dependencies & Legal Barriers on Digital Forensic Investigations in Sri Lanka
Priyankara Perera and Dr Prathiba Mahanamahewa
5. Illegal Unreported Unregulated Fishing by Sri Lankan Fishermen: Law Implementation Mechanism and Fishers' Attitudes on Compliance
S. Rasanjala Karunathilaka, H.R.L.C Bandara and M.I.U Manikarachchi
6. Occupational Safety and Health of Sri Lankan Employees: Reference to Factories Ordinance and Workmen's Compensation Ordinance
KK Witharama
7. The Need for a Regional Mechanism to Combat Piracy at Sea in the South Asian Region.
Ruvini Katugaha
8. To what extent the protection of Intellectual Property rights are involved in "Biopiracy" in Sri Lanka.
K. Weerakkody, HAS Madushani and DMPP Dissanayake
9. A Grapple for Standing out rather fitting in: Sri Lankan Claim to the Commission on the Limits of the Continental Shelf
KLPD Lekamge and DMSH Dissanayake
10. Wrongful Convictions and Remedies to Minimize Imprisonment
EMN Perera
11. "Curse of Flying death and Dilemma of Law" Challenges of International Humanitarian Law before Drone attacks
B.P.A Amerasinghe and Madusha. Erandi Thanippuliarachchi
12. A Study on Strengthening the Laws on Genetically Modified Organisms in Sri Lanka with Special Reference to the Proposed Regulatory Mechanism

- J. D. Wimalasiri and R. S. Ranasinghe
13. Silent threat to Sri Lanka's biodiversity: laws relating to Invasive Alien Species
JAI Kumarasinghe
 14. Privatization of Armed Conflict and International Humanitarian Law
DA Kaluarachchi and EMN Perera
 15. Analysis on Deforestation and Environmental Law in Sri Lanka

CV Liyanawatte and KLAG Dias
 16. Liability for Omission in Prospectus under the Companies Act of 2007: Need for Reformation
WAC Perera
 17. International Humanitarian Laws and regulations to prevent the deaths and injuries of the civilians during an international armed conflict
RMUAK Ramanayake and RIBAM Rathnamalala
 18. A Game of Titles: The effectiveness of the Implementation of the current Land Title Registration programme under the Registration of Titles Act No. 21 of 1998 in Sri Lanka
WASM Fernando

MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Venue: Lobby area, mini Auditorium Academic Building

1. **Factors Affecting Employees' Job Satisfaction at the Muthur Base Hospital**
S Priyadharsan
2. **The Relationship between Entrepreneurial Competencies and Entrepreneur Success: An Empirical Investigation among Pettah Entrepreneurs**
MA Tajbhoy, M Rajapakse and T Perera
3. **Exploration of Performance Appraisal Methods and its Common Errors: Comparative Study between Private Sector and Public Sector in Sri Lanka**
MHR Sandeepanie, GJM Ariyathilake and EG Ubayachandra
4. **Corporate Board Attributes and Profitability: A Case of Australia**
P Pratheepkanth
5. **Identifying the Factors that have an Impact on the Career Advancement of Female Employees: Case Study for a State Bank of Sri Lanka**
G Kathriarachchi and A Wijayanayake
6. **The Impact Made by Visual Merchandising Elements on Purchase Intension with Special Reference on Supermarket Industry in Western Province**
U Rathnayaka and T Madhuhansi
7. **Skills Management of Building Maintenance Technicians in Sri Lanka**
AR Thilochini, DMPP Dissanayake, N Madusanka and NHC Manjula
8. **A Study on the Factors Affecting for Automobile Dependency in city of Colombo, Sri Lanka**
DLRT Perera, SS Wanniarachchi and WL Rathnayake
9. **A Review of Literature on the Community of Inquiry Framework**
WMUSK Walisundara
10. **Crop Farm baseline Survey in Eravur Pattu of Batticaloa District with Special Reference to Socioeconomic Factors, Cultivation Practices, Extension Services and Constraints**

Draft part I – Programme Book

A Narmilan and S Puvanitha

11. The Impact of Parental Involvement on Students' Attitude and Performance in Science in Batticaloa Educational Zone, Sri Lanka

C Elankumaran and C Arulmoly