# Multidisciplinary Research – Presentation Schedule - Session 1

**Venue:** Room A4 – 104, Department of Industrial Management  
**Session Chair:** Dr. J. N. Nanayakkara

## Plenary Speech

<table>
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<tr>
<th>Time</th>
<th>Plenary Speech Title and Author</th>
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| 1100-1115 | Creative fusion of scientific methods with mathematics and computing  
Prof. Asoka S Karunananda |

## Abstracts

<table>
<thead>
<tr>
<th>Abstract No</th>
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| MO-01       | 1120-1135 | Simulation-based modeling approach for collaborative supply chains from the perspective of apparel industry  
R. D. S. Lakmal and T. D. Rupasinghe                                                                                                           |
| MO-02       | 1135-1150 | Simulation-based solution approach for resilient supply chain network design for retail supply chains  
D. A. Silva and T. D. Rupasinghe                                                                                                                     |
| MO-03       | 1150-1205 | Supply chain collaboration for sustainable Industry 4.0: A case study from the apparel industry  
D. D. Gamage and T. D. Rupasinghe                                                                                                                   |
| MO-04       | 1205-1220 | A multi-pronged approach to assess informational efficiency of the Colombo Stock Exchange  
P. G. S. Upoksha and Suren Peter                                                                                                                    |
| MO-05       | 1220-1235 | Customer perceived quality management practices and organizational performance: Case of private healthcare sector in Sri Lanka  
B. A. Sowmiya and Suren Peter                                                                                                                         |
| MO-06       | 1235-1250 | A conceptual framework to assess supply chain risk in the apparel industry  
Hasitha Erandi and SUREN PETER                                                                                                                       |
| MO-07       | 1250-1305 | Consumer behavior models and microfinance in Sri Lanka: A systematic review of literature  
Vishvajinee Senasinghe and Suren Peter                                                                                                                |

*1305 - 1400: Lunch*
## International Research Symposium on Pure and Applied Sciences, 2017

Faculty of Science, University of Kelaniya, Sri Lanka

Multidisciplinary Research – Presentation Schedule - Session 2

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<th>Abstract No</th>
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| MO-08       | 1400-1415| Impact of lean supply chain strategies and third-party logistics (3PL) outsourcing on the supply chain performance  
V. K. Tharaka, R. N. Suraweera and N. W. K. Galahitiyawe |
| MO-09       | 1415-1430| Default risk and debt recovery strategies of microfinance providers: A comparative study in Sri Lanka  
B. L. W. Kalpani and R. Abeysekera |
| MO-10       | 1430-1445| The strategic relationship building through value procurement: A systematic review of literature from the apparel industry  
K. N. P. Karunarathna, P. M. D. Rasanjani, M. M. Weerasekara and T. D. Rupasinghe |
| MO-11       | 1445-1500| An optimization model to allocate most suitable team members for software development projects  
Thilini Dharmasena and Annista Wijayanayake |
| MO-12       | 1500-1515| Optimizing the allocation of employees for training programmes  
Buddhika Wickramarachchi and Annista Wijayanayake |
| MO-13       | 1515-1530| Business transformation through technology adoption: Special reference to rice millers in Eastern Province, Sri Lanka  
S. Athambawa, A. P. R. Wickramarachchi and C. Puspakumara |
| MO-14       | 1530-1545| Application of Markov theory for inventory and cost analysis: Case study for tyre re-treading in automobile company  
N. B. Helarathna and Annista Wijayanayake |
| MO-15       | 1545-1600| Determinants of financial self-sufficiency of registered microfinance institutes in Sri Lanka  
N. Ramunahar and Annista Wijayanayake |

**1600-1630: Tea and Poster Session**
### Multidisciplinary Research – Presentation Schedule - Session 3

**Venue:** Room A4 – 104, Department of Industrial Management  
**Session Chair:** Dr. U. P. K. Epa

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<th>Abstract No</th>
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| MO-16       | 1630 – 1645| **Cardio forecast: A multi criteria weighted voting ensemble model for the prediction of cardiovascular disease level**  
F. Zahara Kitchinl and W. G. D. M. Samankula                                                                                                                   |
| MO-17       | 1645-1700  | **Nutritional status and lifestyle practices of undergraduates of Faculty of Science, University of Kelaniya**  
| MO-18       | 1700-1715  | **Determination of Multiple Antibiotic Resistant (MAR) and MAR Index in bacteria isolated from Aquaculture Farms**  
G. Y. Liyanage and Pathmalal M. Manage                                                                                                                       |
| MO-19       | 1715-1730  | **A study on sorption of Cd(II) onto chitosan derivatives**  
K. A. S. Samaranayaka and C. S. K. Rajapakse                                                                                                               |
| MO-20       | 1730-1745  | **A simple and rapid UV-Visible spectrophotometric method for determination of Mercury (II) using TMPyP in aqueous solutions**  
A. H. P. Hettiarachchi and C. S. K. Rajapakse                                                                                                             |
| MO-21       | 1745-1800  | **Model study on the adsorptive removal of nickel and cobalt ions from waste water using clay soil as a natural adsorbent**  
C. A. U. K. Kumarihami, S. Kulathunga and S. S. Subramanium                                                                                               |
| MO-22       | 1800-1815  | **Monitoring the accumulation of polycyclic aromatic hydrocarbons in the water bodies around Kelanitissa and Keravalapitiya power plants in Sri Lanka**  
H. M. H. B. Chandrasiri, F. T. Doole and S. S. Subramanium                                                                                               |