

SLAAI - International Conference on Artificial Intelligence 20th December 2018

- 08.00 – 08.30 am** Registration and Reception
- 08.30 – 08.40 am** Traditional Lighting of the Oil Lamp
- 08.40 – 08.45 am** Welcome Address by the President SLAAI – Dr. (Mrs.) Thushari Silva
- 08.45 – 08.50 am** Address by Conference Chair – Prof. Asoka S Karunananda
- 08.50 – 08.55 am** Address by the Dean,
Faculty of Information Technology, University of Moratuwa.
- 08.55 – 09.00 am** Address by the Vice-Chancellor, University of Moratuwa.
- 09.00 – 09.45 am** **Keynote Speech – I**
Prof. Vilas Wuwongse, Sakon Nakhon Rajabhat Univeristy, Thailand.
- 09.45 – 10.30 am** **Keynote Speech – II**
Prof. Jude Hemanth D., Karunya University, India.
- 10.30 – 10.45 am** Refreshments
- 10.45 – 11.30 am** **Keynote Speech – III**
Emeritus Professor George Rzevski, The Open University, UK.
- 11.30 – 11.50 am** Presentation by Gold Sponsor – CodeGen International (Pvt.) Ltd.
- 11.50 – 12.10** Presentation by Platinum Sponsor – Virtusa (Pvt.) Ltd.
- 12.10 – 01.30 pm** **Technical Session – I**
- 01.30 – 02.00 pm** Lunch
- 02.00 – 04.00 pm** **Technical Session – II**
- 04.00 – 04.15 pm** Refreshments
- 04.15 – 05.15 pm** **Technical Session – III**
- 05.15 – 05.30 pm** Award Ceremony
- 05.30 – 05.45 pm** Vote of Thanks
Conference Executive Secretary – Dr. (Mrs.) Menaka Ranasinghe
- 5.45 pm** Conference Conclusion

**SLAAI-ICAI-2018
Technical Sessions**

Time	Parallel Session I (Room: 1)	Parallel Session II (Room: 2)
	Technical Session I Session Chair: Dr. Ruwan Weerasinghe Panel Members : Dr. Ranga Rodrigo, Dr. Sidath Liyanage, Dr. T. G. I. Fernando	Technical Session I Session Chair: Prof. George Rzevski Panel Members: Dr. (Mrs.) D.D.M. Ranasinghe, Dr. Buddika Jayasekara, Dr. Palitha Dassanayake
12.10-12.30 pm	P1T1.1-1570490777	P2T1.1-1570487298
	A Preliminary Study on Kinematic Analysis of Human Hand <i>C. N. Savithri, R. Kevin, E. Priya</i>	Locating the Position of a Cell Phone User Using GSM Signals <i>S. Shafeeque, G. S. N. Meedin, H. U. W. Ratnayake</i>
12.30-12.50 pm	P1T1.2-1570483020	P2T1.2-1570483774
	A Novel Hybrid Back Propagation Neural Network Approach for Time Series Forecasting Under the Volatility <i>R. M. K. T. Rathnayaka, D. M. K. N. Seneviratna</i>	Six-State Continuous Processing Model for a New Theory of Computing <i>C. Weerakoon, A. Karunananda, N. Dias</i>
12.50-01.10 pm	P1T1.3-1570490455	P2T1.3-1570485015
	Flood Forecasting Using Artificial Neural Network for Kalu Ganga <i>D. Gamage, K. Ilmini</i>	Fuzzy Logic Based Backtesting System <i>E. Praboda, T. Silva</i>
01.10-01.30 pm	P1T1.4-1570482447	P2T1.4-1570483934
	Modeling of Hidden Layer Architecture in Multilayer Artificial Neural Networks <i>M. Wagarachchi, A. Karunananda</i>	Thinking Like Humans: A New Approach to Machine Translation <i>B. Hettige, A. Karunananda, G. Rzevski</i>
01.30-02.00 pm	Lunch	

	Technical Session II Session Chair: Prof. Ruwan Gopura Panel Members : Dr. Ranga Rodrigo, Dr. Sidath Liyanage Dr. T. G. I. Fernando	Technical Session II Session Chair: Prof. Vilas Wuwongse Panel Members: Dr. (Mrs.) D.D.M. Ranasinghe, Dr. Buddika Jayasekara, Dr. Palitha Dassanayake
02.00-02.20 pm	P1T2.1-1570484013 A Classification Based Approach to Predict the Gender Using Craniofacial Measurements <i>M. M. M. Arachchi, L. S. Nawarathna, R. Peiris, D. Nanayakkara</i>	P2T2.1-1570486385 A Hybrid Agent System to Detect Stress Using Emotions and Social Media Data to Provide Coping Methodologies <i>R. Liyanagamage, S. Kitchilan, R. Maddumage, S. Kitchilan, N. Kumarasinghe, S. Fernando</i>
02.20-02.40 pm	P1T2.2-1570487513 Diagnosis of Coronary Artery Diseases and Carotid Atherosclerosis Using Intravascular Ultrasound Images <i>K. V. Archana, R. Vanithamani</i>	P2T2.2-1570484445 An Ontological Approach for Knowledge Representation of Dental Extraction Forceps <i>S. Vasanthapriyan</i>
02.40-03.00 pm	P1T2.3-1570486849 Invoke Artificial Intelligence and Machine Learning for Strategic-Level Games and Interactive Simulations <i>N. C. Wickramarathna, G. U. Ganegoda</i>	P2T2.3-1570482194 An Optimized Predictive Coding Algorithm for Medical Image Compression <i>J. Anitha, S. P. Eben, D. J. Hemanth</i>
03.20-03.40 pm	P1T2.4-1570490776 Performance Analysis: Preprocessing of Respiratory Lung Sounds <i>G. Shanthakumari, E. Priya</i>	P2T2.4-1570486346 Ontology Based Online Tourist Assistant <i>P. Mendis, S. Siriwardene, R. Wijesiri, U. Kohomban, S. Fernando</i>
03.40-04.00 pm	P1T2.5-1570484447 Role of Deep Neural Network in Speech Enhancement: A Review <i>D. Hepsiba, J. Justin</i>	P2T2.5-1570484431 Rice Express: A Communication Platform for Rice Production Industry <i>M. A. S. T. Goonatileke, M. W. G. Jayampath, B. Hettige</i>
04.00-04.15 pm	Refreshments	

	<p>Technical Session III</p> <p>Session Chair: Prof. Jude Hemanth D</p> <p>Panel Members : Dr. Ranga Rodrigo, Dr. Sidath Liyanage Dr. T. G. I. Fernando</p>	<p>Technical Session III</p> <p>Session Chair: Prof. N.G.J. Dias</p> <p>Panel Members: Dr. (Mrs.) D.D.M. Ranasinghe, Dr. Buddika Jayasekara, Dr. Palitha Dassanayake</p>
04.15-04.35 pm	<p>P1T3.1-1570487375</p> <p>Intelligent Time of Use Deciding System for a Melody to Provide a Better Listening Experience <i>M. W. S. Janaka, H. U. W Ratnayake, I. A. Premaratne</i></p>	<p>P2T3.1-1570484894</p> <p>Feature Based Opinion Mining for Hotel Profiling <i>D. Gunathilaka, S. Pathirana, S. Senarathne, J. Weerasekara, T. Silva</i></p>
04.35-04.55 pm	<p>P1T3.2-1570491171</p> <p>A Novel Dialogue Manager Model for Spoken Dialogue Systems Based on User Input Learning <i>M. F. A. Shariff, R. D. Nawarathna</i></p>	<p>P2T3.2-1570485199</p> <p>Text Mining-based Human Computer Interaction Approach for On-line Purchasing <i>N. Malkanthi, T. D. Rupasinghe</i></p>
04.55-05.15 pm	<p>P1T3.3-1570487319</p> <p>Digital Assistant for Supporting Bank Customer Service <i>D. Weerabahu, A. Gamage, C. Dulakshi, G. U. Ganegoda, T. Sandanayake</i></p>	<p>P2T3.3-1570490905</p> <p>Palm Vein Recognition Based on Competitive Code , LBP and DCA Fusion Strategy <i>X. Y. Wang, H. Li</i></p>