

AGENDA-7TH SEPTEMBER 2017

8:00:00 AM	Registration		
9:30:00 AM	Inaugural Keynote 1-Prof Abhik Roychoudhry (ACM Speaker)-Trustworthy Software and Automated Program Repair		
10:30:00 AM	Tea		
	Session 1-A	Session 1-B	Session 1-C
	MINI AUDITORIUM	ADMTC	VKS AUDITORIUM
	Software Engineering	Language Processing	ICT for Development
11:00:00 AM	857 (Effective Use of Test Types for Software Development) Roshali Silva, Pulasthi Perera, Indika Perera, Kithsiri Samarasinghe	809 (Domain Specific Language for Specifying Operations of a Central Counterparty) Chamin Nalinda, Chamath Keppitiyagama	909 (Mobile applications for real time information delivery on Rapid Bus Transit systems in Tanzania) James E. Mmari, Sandor Markon
11:20:00 AM	893 (Improve Software Quality through Practicing DevOps) Pulasthi Perera, Roshali Silva, Indika Perera	807 (A Framework for Automated Corpus Compilation for KeyXtract: Twitter Model) Tharindu Weerasooriya, Nandula Perera, S.R. Liyanage	903 (GIS Based Locational Suitability Analysis for Residential Development in Kandy MC Area) W.K.N.C Withanage
11:40:00 AM	895 (Continuous Scrum: A Framework to Enhance Scrum with DevOps) Saliya Sajith Samarawickrama, Indika Perera	819 (Large Scale Visual Classification with SVM, Create the unique article through NLP) M.A.N. Madushani	911 (ICT for Universal Access to Agricultural Information: The Case of Malawian Farmers) Emily Kang'ombe Kwatani, Sandor Markon
12:00:00 PM	947 (Automatic Detection of Multi-line Templates in Software Log Files) P.W.D.C. Jayathilake , N. R. Weeraddana , H. K. E. P. Hettiarachchi		
12:20:00 PM	Lunch		
1:20:00 PM	Keynote 2- Prof. Kiyoshi Tanaka-Evolutionary Many-Objective Optimization and Some Real world Applications		
	Session 2-A	Session 2-B	Session 2-C
	MINI AUDITORIUM	ADMTC	VKS AUDITORIUM
	Machine Learning	Speech Processing	Smart Systems
2:20:PM	852 (Network Based Prediction of Drug-Drug Interactions) S.D. L Gunawardena, A. R. Weerasinghe, M. W. A. C. R Wijesinghe	948 (Non-Visual Object Generation Model to Ease Music Notation Script Access for Visually Impaired) Kavindu C. Ranasinghe, Lakshman Jayaratne	872 (Self-Correcting Portable Projector) D.M.R Kulasekara, D Sandaruwan , C Keppitiyagama , N.D Kodikara

2:40:00 PM	854 (Comparative Study and a Proposed Methodology to Perform Subjectivity Analysis from Movie Reviews Using Machine Learning) Md. Asad Uzzaman Sazzad, Md. Tanzim Islam, Muhitun Azad, Erfan Ahmed, Samiul Islam, Mohammad Haider Ali	907 (Automated Audio Monitoring Approach for Radio Broadcasting Channels in Sri Lanka) E.D.N.W.Senevirathna, Dr. K.L. Jayaratne	891 (Design and Analysis of an Under Water Visible Light MIMO Communication System with a Camera Receiver) Pramod D. Munaweera, Muhammed Akram, Diluka Aravinda, Roshan I. Godaliyadda and Parakrama B. Ekanayake
3:00:00 PM			880 (Real-Time Non-Intrusive Appliance Load Monitoring Under Supply Voltage Fluctuations) Yasitha S. Liyanage, Shirantha Welikala, Chinthaka Dinesh, Mervyn Parakrama B. Ekanayake, Roshan Indika Godaliyadda and Janaka Ekanayake
3:20:00 PM	Tea		
3:50:00 PM	Keynote 3-Prof.S.R.Subramanya- Computational Science in Multidisciplinary		
	Session 3-A	Session 3 B	Session 3-C
	MINI AUDITORIUM	ADMTC	VKS AUDITORIUM
	Information Security	Artificial Neural Networks	Data Analytics
4:50:00 PM	867 (Visible Light Communication based Authentication Protocol Designed for Location based Network Connectivity) Chathura P. Suduwella, Yohani S. Ranasinghe, Kasun de Zoysa	945 (Artificial Neural Networks for Daily Electricity Demand Prediction of Sri Lanka) Shashikala L. Karunathilake, Harshani R. K. Nagahamulla	814 (Hybrid Framework for Master Data Management) Lahiru K. W. Fernando, Prasanna S. Haddela
5:10:00 PM	839 (Detection of Change Frequency in Web Pages to Optimize Server-based Scheduling) Lakmal Meegahapola, Roshan Alwis, Eranga Nimalarathna, Vijini Mallawaarachchi, Dulani Meedeniya, Sampath Jayarathna	952 (Cluster Based Modular Nonlinear Autoregressive Neural Network to Predict Daily Reservoir Inflow) W.M.N. Dilini Basnayake, Dilhari Attyalle, Liwan Liyanage Hansen , K.D.W. Nandalal	859 (Highly Efficient and Robust Audio Identification and Analytics System to Secure Royalty Payments for Song Artists) Tharika Madurapperuma, Gothami Abayawickrama, Nesara Dissanayake, Viraj B. Wijesuriya, K. L. Jayaratne
7:30:00 PM	Conference Dinner		

AGENDA-8TH SEPTEMBER 2017

8:30:00 AM	Registration		
9:00:00 AM	Keynote 4-Prof.Geoffrey Crisp-Assessing for Quality Decision Making		
	Session 1- A	Session 1- B	
	MINI AUDITORIUM	VKS AUDITORIUM	
	AI(1)	Image Processing (1)	
10:00:00 AM	886 (Solution for Event-Planning using Multi-Agent Technology) T.D. Samaranyake, W.P.J. Pamarathane , B. Hettige	953 (Offline Handwritten Signature Verification System Using Random Forest Classifier) Maduhansi Thenuwara, Harshani R. K. Nagahamulla	
10:20:00 AM	896 (People Clues: Business Intelligence Tool for Team Dynamics) Rohan Samarasinghe, Gayathma Perera, Nadeesha Perera, Pathum Senaratna and Lakshan Samarasingha	914 (Lane detection using hybrid colour segmentation and perpendicular traversal linear search algorithm) L.A.N. Yapa, A. S. Atukorale	
10:40:00 AM	915 (An Online Traffic Sign Recognition System for Intelligent Driver Assistance) Manisha U.K.D.N., Liyanage S.R	861 (Suppressing Dengue via a Drone System) Akarshani Amarasinghe, Chathura Suduwella, Lasith Niroshan, Charith Elvitigala, Kasun De Zoysa, Chamath Keppetiyagama	
11:00:00 AM	Tea		
11:30:00 AM	Keynote 5 -Prof. Marchel Baunach- Dependable Computing Platforms for the IoT		
	Session 2-A	Session 2-B	Session 2-C
	MINI AUDITORIUM	ADMTC	VKS AUDITORIUM-
	Ontology & Biotechnology	Location & Object Tracking	Networking & Sensor Networks
12:30:00 PM	817 (An Ontology-based and Domain Specific Clustering Methodology for Financial Documents) Chalitha Kulathunga, D.D. Karunaratne	863 (Framework for Detection of Anomalies in Mass Moving Objects by Non-Technical Users Utilizing Contextual & Spatio-Temporal Data) Minura Jinadasa, Suranga Nisiwasala, Suthan Senthinathan, Shiromi Arunatileka, Damitha Sandaruwan	923 (Hybrid Model for Data Management and Acquisition in Sensor Network) W.A.T.A.S. Fernando, Dr. M.D.J.S. Goonetillake

12:50:00 PM	943 (Semi-Supervised Instance Population of an Ontology using Word Vector Embedding) Vindula Jayawardana, Dimuthu Lakmal, Nisansa de Silva, Amal Shehan Perera, Keet Sugathadasa, Buddhi Ayesha, Madhavi Perera	939 (The Best Preferred Product Location Recommendation According to User Context and the Preferences) E.J.C.Indunil, V.S.Gunasekara, K.A.T.S.Jayampathy, H.D.M.P.Jayasooriya, A.K.G.P.K.Wimalasooriya, T.M.A.U. Gunathilaka	941 (Improving Trusted Routing by Identifying Malicious Nodes in a MANET Using Reinforcement Learning) Hansi Mayadunna Shanen Leen De Silva Iesha Wedage Sasanka Pabasara Lakmal Rupasinghe Chethena Liyanapathirana Krishnadeva Kesavan Chamira Nawarathna Kalpa Kalhara Sampath
1:10:00 PM	851 (Constructing and Analyzing Gene Regulatory Networks in Leaf Senescence of Arabidopsis thalina) H.M.S.D Herath , A.R Weerasinghe , C.R Wijesinghe	876 (Hyperspectral Imaging Based Land Cover Mapping Using Data Obtained by the Hyperion Sensor) SSP Vithana, AMR Abeysekara, TSJ Oorloff, RAA Rupasinghe, HMVR Herath, GMRI Godaliyadda, MPB Ekanayake	951 (State-of-Art-in-Indoor Navigation and Positioning of Visually Impaired and Blind) Chathurika S. Silva , Prasad Wimalaratne
1:30:00 PM	Lunch		
2:30:00 PM	Keynote 6-Prof.Roger Stern - Climate Data Analytics for Agriculture		
	Session 3-A	Session 3-B	Session 3-C
	MINI AUDITORIUM	ADMTC	VKS AUDITORIUM
	Simulation & Visual Processing	AI (2)	Image Processing (2)
3:30:00 PM	906 (Enhanced in-Store Shopping Experience through Smart Phone based Mixed Reality Application) Lakmal Meegahapola, Indika Perera	823 (A Comparison of Accuracy of Forecasting Models: A Study on Selected Foreign Exchange Rates) P. Nanthakumaran, C. D. Tilakaratne	818 (Texture Analysis of Ultrasound Images of Chronic Kidney Disease) Fadil Iqbal, Aruna S. Pallewatte, Janaka P. Wansapura
3:50:00 PM	864 (Game Based Learning as a Supplementary Approach in Teaching Mathematics) H.Perera, K.P.Hewagamage, T.A. Weerasinghe	877 (Cloud Motion Tracking for Short-Term On-Site Cloud Coverage Prediction) D. M. L. H. Dissawa , M. P. B. Ekanayake , G. M. R. I. Godaliyadda , J. B. Ekanayake , A. P. Agalgaonkar	850 (Improving Diagnostic Viewing of Coronary Cine-Angiography through Frequency Filtering based Frame Enhancement Method) W.S.Wajiramali, D.W.J.Chathurika, D.A.N.Gunasekara, I.A.M.S.Ranasinghe, R.R.C.P.Rathnayake, K.A.S.H.Kulathilake

4:10:00 PM	929 (Mechanical design and flow simulation of a steam generator for parabolic trough solar thermal energy harnessing plant) P. D. C. Kumara#, M. P. S. Viraj, S. K. K. Suraweera, H. H. E. Jayaweera, A. M. Muzathik and T. R. Ariyaratne	825 (Applying Intelligent Speed Adaptation to a Road Safety Mobile Application - DriverSafeMode) Shanika C. Perera, Naomal G.J. Dias	916 (An Approach for Digitizing Form Based Images) Pasindu. A. De Alwis, Pumudu A. Fernando
4:30:00 PM			934 (Differential Diagnosis of Eczema and Psoriasis Using Categorical Data in Image Processing) Uvin Withana, Pumudu Fernando
4:50:00 PM	Tea		
5:20:00 PM	Sponsor Speech		
5.45PM	Best Paper Award and Closing Ceremony		