

INTERNATIONAL CONFERENCE ON DATA SCIENCE AND ENGINEERING 2016 (ICDSE 2016)

23 - 25 August 2016

PROGRAMME SCHEDULE

DAY - 1 [23 August 2016]

Inaugural Function

Chief Guest: Dr. E. Balagurusamy, Chairman, EBG Foundation, Coimbatore

Guest of Honour – Ms. Karen Bartleson, 2016 IEEE President-Elect, 2017 IEEE President

Location	Date	Start	End
Auditorium, Dept. of Electronics, CUSAT	23/08/2016	10:45 AM	12:00 AM

Invited Talk I : Big Data Research at MSR India

Dr. Chandu Thekkath, Managing Director, Microsoft Research India, Bangalore

Location	Date	Start	End
Auditorium, Dept. of Electronics, CUSAT	23/08/2016	12:00 AM	1:00 PM

Lunch break

Invited Talk II : 'Interdisciplinary Cyber Physical systems' DST initiations and perspective

Dr. Murali Mohan, Head & Scientist G, Interdisciplinary Cyber Physical Systems Division (ICPSD), DST, Govt. of India

Location	Date	Start	End
Auditorium, Dept. of Electronics, CUSAT	23/08/2016	1:45 PM	2:45 PM

Invited Talk III : Analytics and Decision science on Manufacturing & Supply Chain

Mr. Jayasankar P Pillai, Digital Consulting Leader, IBM Global Business Services, Bangalore

Location	Date	Start	End
Auditorium, Dept. of Electronics, CUSAT	23/08/2016	2:45 PM	3:45 PM

Tea break

Paper Presentation:

SESSION I [Parallel Session]

Chairs: Dr. Kannan Balakrishnan & Dr. Sreeraj S

Location	Date	Start	End
Auditorium, Dept. of Electronics, CUSAT	23/08/2016	4:00 PM	5:00 PM

Papers:

	Topics	Authors	PID
1	Anomaly Detection in Web Graphs using vertex neighbourhood based Signature Similarity methods	Aritra Ghosh, Pallavi Gudipati	18
2	An Enhanced Model for Behavioral Targeting in Online Advertising	Radhika V M, Aiswarya Thottungal, Dr. Abdul Nizar M	117
3	Using mobile phone data to study dynamics of rural-urban mobility	Rahman Sanya and Martin Mubangizi	129
4	Detection of Similar Community in Large Network Based on Graph Edit Distance	Abhay Narayanan, Santhosh Kumar G	132
5	Community Detection in Heterogenous Networks Using Incremental Seed Expansion	Samrat Gupta, Pradeep Kumar	142

Paper Presentation:

SESSION II [Parallel Session]

Chairs: Dr. Sumam Mary Idicula & Dr. Philip Samuel

Location	Date	Start	End
Auditorium, Dept. of Computer Science, CUSAT	23/08/2016	4:00 PM	5:00 PM

Papers:

	Topics	Authors	PID
1	Improvement of ETL through Integration of Query Cache and Scripting method	Prayag Tiwari	4
2	Generalized Approach to Linear Data Transformation	Abhijith Asok	23
3	Understanding the Indian Labour Market: A Data-Centric Approach	Shabana K M, Tony Gracious and Hrishikesh Subramonian	106
4	MapReduce Model For K-Medoid Clustering	Sandhya Harikumar, Shabana Shamsuddin Thaha	134
5	Data Preparation: Art or Science?	Gunjan Mansingh ,Lila Rao and Maurice McNaughton	141

INTERNATIONAL CONFERENCE ON DATA SCIENCE AND ENGINEERING 2016 (ICDSE 2016)

23 - 25 August 2016

PROGRAMME SCHEDULE

DAY - 2 [24 August 2016]

Invited Talk IV : Cognitive Computing and Deep Learning

Dr. Gautam Shroff, Vice President & Chief Scientist, TCS Innovation Labs Delhi, India

Location	Date	Start	End
Auditorium, Dept. of Electronics, CUSAT	24/08/2016	10:00 AM	11:15 AM

Tea break

Invited Talk V : Making of the Driverless NANO

Dr. Roshy M John, Head, Robotics And Cognitive Systems, Tata Consultancy Services, Kochi

Location	Date	Start	End
Auditorium, Dept. of Electronics, CUSAT	24/08/2016	11:30 AM	12:30 AM

Lunch Break

Paper Presentation: SESSION III [Parallel Session]

Chairs: Dr. K. V. Pramod & Dr. Sudheep Elayidom

Location	Date	Start	End
Auditorium, Dept. of Electronics, CUSAT	24/08/2016	2:00 PM	3:00 PM

Papers:

	Topics	Authors	PID
1	Inferring Borrower Network in a Microfinancing Framework (KIVA)	Aritra Ghosh, Jithin Vachery	19
2	Student Profiling to improve teaching and learning: A Data Mining Approach	Anand Desai, Nemil Shah, Madhuri Dhodi	54
3	Comparative study of Data Mining Clustering algorithms	Iyer Aurobind Venkatkumar, Sanatkumar Jayantibhai Kondhol Shardaben	61
4	Ranking of Suppliers with MCDA Technique and Probabilistic Criteria	Susmita Bandyopadhyay	21
5	Teacher Recruitment Data Analytics using Association Rule Mining in Indian Context	Vijayakumar Kadappa, Shankru Guggari, Atul Negi	28

Paper Presentation: SESSION IV [Parallel Session]

Chairs: Mr. K B Muralidharan & Dr. Santhosh Kumar

Location	Date	Start	End
Auditorium, Dept. of Computer Science, CUSAT	24/08/2016	2:00 PM	3:00 PM

Papers:

	Topics	Authors	PID
1	Tree-Based Ensemble Models for Predicting the ICU Transfer of Stroke In-Patients	Nawal N. Alotaibi and Sreela Sasi	91
2	Apriori Algorithm for Association Rule Mining in High Dimensional Data	Sandhya Harikumar, Divya Usha Dilipkumar	123
3	PTMIB: Profiling Top Most Influential Blogger using Content Based Data Mining Approach	Vasanthakumar G U, Priyanka R, Vanitha Raj K C, Bhavani S, Asha Rani B R, P Deepa Shenoy, Venugopal K R	131
4	A Statistical Analysis of Soil Fertility of Thrissur District, Kerala	R. Ajith kumar, T. Radhakrishnan, Manojkumar, M.K Muhammed Aslam, Jagathy Raj V.P, K. Satheesh kumar	135
5	Breast Cancer Detection using Two-Fold Genetic Evolution of Neural Network Ensembles	Indu Singh, Karan Sanwal, Satyarth Praveen	47

Tea break

Paper Presentation: SESSION V [Parallel Session]**Chairs: Dr. Jereesh A S & Mr. Jyotis V**

Location	Date	Start	End
Auditorium, Dept. of Electronics, CUSAT	24/08/2016	3:15 PM	4:15 PM

Papers:

	Topics	Authors	PID
1	Erasure Coded Storage Systems for Cloud Storage - Challenges and Opportunities	Ojus Thomas Lee, S.D Madhu Kumar, Priya Chandran	109
2	Clustering of Users on Microblogging Social Media: A Rough Set Based Approach	Mukul Gupta, Pradeep Kumar and Bharat Bhasker	126
3	Search Control in Multi-user Searchable Encryption without Shared keys	Manju S.Nair, Rajasree M S	30
4	Auto Scaling for Various Patterns of Workflow within Deadline time and Energy aware VM allocation in Cloud Environment	Sruthy Santhosh, Binu A	5
5	Not Just Dissimilar, but Opposite An Algorithm for Measuring Similarity and Oppositeness between Words	Dean J. Jones and Gunjan Mansingh	144

Paper Presentation: SESSION VI [Parallel Session]**Chairs: Dr. Kannan Balakrishnan & Dr. Santhosh Kumar**

Location	Date	Start	End
Auditorium, Dept. of Computer Science, CUSAT	24/08/2016	3:15 PM	4:15 PM

Papers:

	Topics	Authors	PID
1	Cooperative Relaying for Interference Mitigation in Device to Device Communication	Minu P N, Premkumar C V	41
2	SWCTE:Semantic Weighted Context Tagging Engine for Privacy Preserving Data Mining	N P Nethravathi, Prasanth G Rao, Vaibhav J Desai, P Deepa Shenoy, Venugopal K R	143
3	User Characterization through Network Flow Analysis	Vinupaul M.V, Raktim Bhattacharjee, Rajesh R , Santhosh Kumar G	20
4	Proper Imputation Techniques for Missing Values in Data sets	Tahani Aljuaid and Sreela Sasi	78
5	A Local Search Approximation Algorithm for the Restricted Universal Facility Location Problem	Uttam Kanodia,K K Shukla	92

INTERNATIONAL CONFERENCE ON DATA SCIENCE AND ENGINEERING 2016 (ICDSE 2016)

23 - 25 August 2016

PROGRAMME SCHEDULE

DAY - 3 [25 August 2016]

Invited Talk VI : Multi-View Data Analytics

Dr. Deepak Padmanabhan, Queen's University Belfast, UK

Location	Date	Start	End
Auditorium, Dept. of Electronics, CUSAT	25/08/2016	10:00 AM	11:00 AM

Tea break

Invited Talk VII : Healthcare through the eyes of a Data Scientist

Dr. V M Sreedevi Menon, Associate Director, Kreara Solutions Pvt. Ltd., Technopark, Trivandrum

Location	Date	Start	End
Auditorium, Dept. of Electronics, CUSAT	25/08/2016	11:15 AM	12:15 PM

Paper Presentation:

SESSION VII

Chairs: Dr. Sumam Mary Idicula & Dr. Sheena Mathew

Location	Date	Start	End
Auditorium, Dept. of Electronics, CUSAT	25/08/2016	12:30 PM	1:30 PM

Papers:

	Topics	Authors	PID
1	Machine Learning Algorithms for Document Clustering and Fraud Detection	Suresh Yaram	24
2	Study on Wavelet Spectral Band Based EEG Compression	C R Midhun Raj, Harsha A	36
3	Dynamic Prediction Based Watermarking for Temporal Relational Databases	UNNIKRISHNAN K , K V pramod	56
4	An Abstract Framework for Ontology Evaluation	Amandeep Verma	17
5	SADA : Secure Approximate Data Aggregation in Wireless Sensor Networks	G Prathima E, Shiva Prakash T, Venugopal K R , L M Patnaik	50

Lunch break

Valedictory Function

Location	Date	Start	End
Auditorium, Dept. of Electronics, CUSAT	25/08/2016	2:30 PM	3:00 PM