

**2018 INTERNATIONAL CONFERENCE ON DATA SCIENCE AND ENGINEERING (ICDSE)
07 - 09 August 2018
PROGRAMME SCHEDULE**

DAY - 1

Workshop I - Data Analytics Using MATLAB

Alka Nair, Mathworks, Bangalore

Location	Date	Start	End
Executive Hall, Seminar Complex, CUSAT	07/08/2018	10:00 AM	1:00 PM

Lunch break

Workshop II - Build Voice-Enabled Experiences with Alexa

Sohan Maheshwar, Amazon, Bangalore

Location	Date	Start	End
Executive Hall, Seminar Complex, CUSAT	07/08/2018	2:15 PM	5:15 PM

DAY - 2

Inaugural Function

Cheif Guest: J. Letha, Vice Chancellor, CUSAT

Location	Date	Start	End
Mini Auditorium, Seminar Complex, CUSAT	08/08/2018	9:30 AM	11:00 AM

Tea break

Keynote Address: Jayant Haritsa, IISc, Bangalore

Plan Bouquets: A Fragrant Approach to Robust Query Processing

Chair: K. Poulose Jacob, NeST Knowledge Center, Kochi

Location	Date	Start	End
Mini Auditorium, Seminar Complex, CUSAT	08/08/2018	11:15 AM	12:15 PM

Invited Talk I: Asharaf S, IITMK, Trivandrum

Blockchain for Big Data: Relevance and Applications

Chair: Sumam Mary Idicula, CUSAT

Location	Date	Start	End
Mini Auditorium, Seminar Complex, CUSAT	08/08/2018	12:15 PM	1:15 PM

Lunch break

Invited Talk II: Sohan Maheshwar, Amazon, Bangalore**It's All in the Data: The Machine Learning Behind Alexa's Systems****Chair: Philip Samuel, CUSAT**

Location	Date	Start	End
Mini Auditorium, Seminar Complex, CUSAT	08/08/2018	2:00 PM	3:00 PM

Paper Presentation: SESSION I - Parallel Session**Chairs: Madhu S Nair, Sabu M K, CUSAT**

Location	Date	Start	End
Mini Auditorium, Seminar Complex, CUSAT	08/08/2018	3:00 PM	5:00 PM

Papers: 20 Minutes (15 Minutes for Presentation, 5 Minutes Q&A)

	Topics	Authors	PID
1	A Deep Neural Architecture for Image Super Resolution	Pillai Praveen Thulasidharan; AJIN GHOSH V C*, NSS College of Engineering, Palakkad	11
2	EKNIS: Ensemble of kNN, Naïve Bayes Kernel and ID3 for Efficient Botnet Classification using Stacking	Niranjan A*, University Visvesvaraya College of Engineering	18
3	A Novel Localized Approach to Single Image Dehazing Based on Haze-lines	AMALA SONNY, NITC; Deepa Nair, NITC; Praveen Sankaran*, NIT Calicut	22
4	An Improved Rocchio Algorithm for Music Mood Classification	Dr. Sajeev G P*, Amrita Univeristy	29
5	Seasonal Trend Analysis on Multi-variate Time Series Data	Sreela Sasi*, Sai Swaroop Ratakonda, Gannon University	68
6	An Improved Spam Detection Method With Weighted Support Vector Machine	VISHAGINI V*, AMRITA SCHOOL OF ENGINEERING	31

Paper Presentation: SESSION II - Parallel Session**Chairs: Sheena Mathew, Sudheep Elayidom, CUSAT**

Location	Date	Start	End
Executive Hall, Seminar Complex, CUSAT	08/08/2018	3:00 PM	5:00 PM

Papers: 20 Minutes (15 Minutes for Presentation, 5 Minutes Q&A)

	Topics	Authors	PID
1	Generation of Digital Elevation Map for Steep Terrain Region using Landsat-7 ETM+ Imagery	Sowmya D R*, Avinash S Rao, P Deepa Shenoy, Venugopal KR, University Visvesvaraya College of Engineering	33
2	Computing Multiplicative Spanners Efficiently for a Class of Simple Graphs	Yashwanth Veluri * , Jayakumar P and Jyothisha J Nair, Amrita University	34
3	A Trace Driven Analysis of Incentive Based Crowdsourcing Workload	Dr. Sajeev G P, Amrita Univeristy; Ayswarya Kurup*, Amrita viswavidyapeetham	36
4	Mining Frequent Temporal Structures in Web Graph	Deepa K*, Amrita Vishwa Vidyapeetham; Dr. Sajeev G P, Amrita Univeristy	38
5	Driver Distraction Analysis Using Convolutional Neural Networks	MANJULA KUMARI*, Praveen Sankaran, NIT Calicut	70
6	Forecasting of Road Accidents in Kerala :A Case Study	Manojkumar TK*, IITM- Kerala	72

DAY - 3**Invited Talk III: Zahida Vaseem, Mathworks, Bangalore****Are You Ready for AI? Is AI Ready for You?****Chair: Jyothis V, CUSAT**

Location	Date	Start	End
Mini Auditorium, Seminar Complex, CUSAT	09/08/2018	10:00 AM	11:00 AM

Tea break

Invited Talk IV: Bindu Narayan, EY, Trivandrum**Recommendation Systems and other Stories****Chair: K B Muralidharan, CUSAT**

Location	Date	Start	End
Mini Auditorium, Seminar Complex, CUSAT	09/08/2018	11:15 AM	12:15 PM

Invited Talk V: Rajeev Azhuvath, TCS, Kochi**Automation vs Augmentation: The AI Dilemma****Chair: Kannan Balakrishnan, CUSAT**

Location	Date	Start	End
Mini Auditorium, Seminar Complex, CUSAT	09/08/2018	12:15 PM	1:15 PM

Lunch break

Invited Talk VI: Deepak Padmanabhan, Queen's University, Belfast, UK**Can Data Science combat Fake News?**

Location	Date	Start	End
Mini Auditorium, Seminar Complex, CUSAT	09/08/2018	2:00 PM	3:00 PM

Paper Presentation: SESSION I - Parallel Session**Chairs: Jereesh A S, Renumol V G, CUSAT**

Location	Date	Start	End
Mini Auditorium, Seminar Complex, CUSAT	09/08/2018	3:00 PM	4:30 PM

Papers: 20 Minutes (15 Minutes for Presentation, 5 Minutes Q&A)

	Topics	Authors	PID
1	Enhancing Inquisitiveness of Chatbots through NER Integration	Reshmi S*, B Kannan, CUSAT	41
2	Semantic Representation of Documents based on Matrix Decomposition	BALADEVI C*, Sandhya Harikumar, Amrita Vishwa Vidyapeetham, Kollam	46
3	Improved Epoch expiry and Load handling mechanism for RAPID - The Fast Data update Protocol in Erasure Coded Storage Systems	PRATIMA H V*, Ojus Thomas Lee, S D Madhu Kumar, Priya Chandran, National Institute of Technology, Calicut	50

4	Finding a Trustworthy Service Provider in Online Service Oriented Trust Network	Reshma Reghu*, Greeshma Sarath, Amrita School of Engineering	60
5	Heuristic based ex-FTCD algorithm for incremental path finding in dynamic graphs	Adithya Moorthy*, Athul Krishna, Gayathri Rajesh, Amrita Vishwa Vidyapeetham	61

Paper Presentation: SESSION II - Parallel Session

Chairs: Judy M V, Shelbi Joseph, CUSAT

Location	Date	Start	End
Executive Hall, Seminar Complex, CUSAT	09/08/2018	3:00 PM	4:30 PM

Papers: 20 Minutes (15 Minutes for Presentation, 5 Minutes Q&A)

	Topics	Authors	PID
1	A Named Entity Recognition System for Malayalam using Conditional Random Fields	Ajees A P*, Sumam Mary Idicula, Cochin University	40
2	AIDGenS: An Automatic Image Description System using Residual Neural Network	SREELA S R*, Sumam Idicula, Cochin University	30
3	Predicting Assessment Item Difficulty Levels using a Gaussian Mixture Model	Sankaran Narayanan*, Fensa Merry Saj, Soumya M.D., Kamal Bijlani, Fensa Merry Saj, Soumya M.D., Kamal Bijlani, Amrita University	62
4	Tracking cluster transitions using summaries	Namitha K*, Neenu K Saju, Santhosh Kumar Gopalan, Cochin University	63
5	A Micromodel to Predict Message Propagation for Twitter Users	Prasanth Rao*, Venkatesha M, P Deepa Shenoy, UVCE, Anita Kanavalli, RIT, Venugopal K R, UVCE	23

Valedictory Function

Location	Date	Start	End
Mini Auditorium, Seminar Complex, CUSAT	09/08/2018	4:30 PM	5:00 PM