

All times are in UTC+1.00 timezone

Day 0: 3 August (Monday)	Day 1: 4 August (Tuesday)	Day 2: 5 August (Wednesday)	Day 3: 6 August (Thursday)
8:00am -- 10:00pm	08:00 -- 08:50am Plenary Opening Session	08:00 -- 08:50am	08:00 -- 08:50am SESSION: Data Mining (Session Chair: Iraklis Varlamis)
			Reg 69. Rituka Jaiswal, Antorweep Chakravorty and Chunming Rong <i>Distributed Fog Computing Architecture for Real-Time Anomaly Detection in Smart Meter Data</i>
			Reg 46. Oren Sar Shalom, Yehezkel S. Resheff, Alex Zhicharevich and Rami Cohen <i>Distant Supervision for Keyphrase Extraction using Search Queries</i>
			Reg 38. Lei Liu, Xi Zhang, Ye Liu, Wangwang Zhu and Baixuan Zhao <i>An Ensemble of Multiple Boosting Methods Based on Classifier-specific Soft Voting for Intelligent Vehicle Crash Injury Severity Prediction</i>
	08:50 -- 09:00am Short Break	08:50 -- 09:00am Short Break	08:50 -- 09:00am Short Break
	09:00 -- 09:50am Workshop on Big Data service on Management, Security and Privacy Preservation Session: Image processing based on deep learning (Session Chair: Yong Wang)	09:00 -- 09:50am	09:00 -- 09:50am SESSION: Applications III (Session Chair: Paul Townend)
	Paper ID 73. Yingchi Mao, Jianghong Tang, Jing Chen and Ping Ping <i>Crack Detection with Multi-task Enhanced Faster R-CNN Model</i>		Reg 48. Bob Vanderheyden and Ying Xie <i>Mammography Image BI-RADS Classification Using OHPLall</i>
	Paper ID 43. Ping Ping, Xiaohui Yang and Zeyu Gao <i>A Deep Learning Approach for Street Pathhole Detection</i>		Reg 64. Tarek Khorshed, Mohamed Moustafa and Ahmed Rafea <i>Multi-Tissue Cancer Classification of Gene Expressions using Deep Learning</i>
	Paper ID 19. Guoyan Xu, Zixu Jing, Yingchi Mao and Xinyue Su <i>A dam deformation prediction model based on ARIMA-LSTM</i>		Short 32. Ahsanul Kabir and Xiao Luo <i>Unsupervised Learning for Network Flow based Anomaly Detection in the Era of Deep Learning</i>
	09:50 -- 10:00am Short Break	09:50 -- 10:00am Short Break	09:50 -- 10:00am Short Break
	10:00 -- 10:50am Workshop on Big Data service on Management, Security and Privacy Preservation Session: Security Risk Control and Monitoring (Session Chair: Ping Ping)	10:00 -- 10:50am	10:00 -- 10:50am SESSION: Applications IV (Session Chair: Paul Townend)
	Paper ID 15. Yong Wang, Pengyu Wang, Xuhui Zhao, Zhuo Liu and Leo Zhang <i>A New Interval Preference Model and Corresponding Fuzzy Similarity Measure for Collaborative Filtering</i>		Reg 61. Ashish Chouhan, Ajinkya Prabhune, Paneesh Prabhuraj and Hitesh Chaudhari <i>DWreck: A Data Wrecker Framework for Generating Unclean Datasets</i>
	Paper ID 26: Ping Ping, Xiaojuan Zhang, Xiaohui Yang, Yingchi Mao and Zeyu Gao <i>Parallel Image Encryption Technology Based on Cellular automaton</i>		Short 54. Qianli Zhang, Zhenyu Liu and Jianrong Tan <i>Predicting the performance of tunnel boring machines using big operational data</i>
	Paper ID 66: Yingchi Mao, Xuesong Xu, Longbao Wang and Ping Ping <i>Priority Combinatorial Double Auction Based Resource Allocation Scheme in the Cloud Computing</i>		
	Paper ID 30: Di Zhao, Yan Li, Yang Dong and Jiaming Ni <i>Research on Experiential Solidification Learning Technology for Intelligent Mining of Power System Vulnerabilities</i>		
	10:50 -- 11:00am Short Break	10:50 -- 11:00am Short Break	10:50 -- 11:00am Short Break
	11:00 -- 12:00am Plenary Keynote 1: Themis Palpanas (BigDataServices) (Session Chair: Iraklis Varlamis)	11:00 -- 12:00am Plenary Keynote 3: Hongji Yang (MobileCloud)	11:00 -- 12:00am Plenary Keynote 5: Rajiv Ranjan (JCC)
	12:00 -- 02:00pm Long Break	12:00 -- 02:00pm Long Break	12:00 -- 02:00pm Long Break
	02:00 -- 02:50pm Plenary Keynote 2: Kerstin Eder (AITest)	02:00 -- 02:50pm	02:00 -- 02:50pm Plenary Keynote 6: John Callian (DAPPS)
	02:50 -- 03:00pm Short Break	02:50 -- 03:00pm Short Break	02:50 -- 03:00pm Short Break
	03:00 -- 03:50pm Plenary Panel 1: Testing Future Intelligent Systems	03:00 -- 03:50pm Plenary Panel 2	03:00 -- 03:50pm Plenary Panel 3
	03:50 -- 04:00pm Short Break	03:50 -- 04:00pm Short Break	03:50 -- 04:00pm Short Break
	04:00 -- 04:50pm SESSION: Big Data Analytics I (Session Chair: Paul Townend)	04:00 -- 04:50pm SESSION: Deep Learning (Session Chair: Jerry Gao)	04:00 -- 04:50pm
	Reg 62. George Vouros, Apostolos Glenis and Christos Doukeridis <i>The delta big data architecture for mobility analytics</i>	Reg 39. Alexander Hartl, Maximilian Bachl, Joachim Fabini and Tanja Zseby <i>Explainability and Adversarial Robustness for RNNs</i>	

	Reg 35. Christos Sardinios, Iraklis Varlamis, Christos Chronis, George Dimitrakopoulos, Yassine Himeur, Abdullah Alsalemi, Faycal Bensaali and Abbes Amira <i>Data analytics, automations, and micro-moment based recommendations for energy efficiency</i>		Reg 33. Hazem M. Kotb, Mohamed Elhelw and Sherif Sakr <i>AutoDLCon: An Approach for Controlling the Automated Tuning for Deep Learning Networks</i>		
	Reg 37. Dimitrios Tsoumakos and Ioannis Giannakopoulos <i>Content-based Analytics: Moving Beyond Data Size</i>		Reg 40. Yuanxun Zhang, Sai Swathi Sivarathri and Prasad Calyam <i>ScholarFinder: Knowledge Embedding based Recommendations using a Deep Generative Model</i>		
	Short 9. Rajasree Rajendran, Chaithanya Reddy Bogadi, Naga Sindhu Korlapati, Sai Chaitanya Tolem and Sindu Ravichandran <i>A Theoretical Study on advances in Streaming Analytics</i>		Short 36. Rameez Asif <i>Deep Neural Networks for Future Low Carbon Energy Technologies: Potential, Challenges and Economic Development</i>		
04:50 -- 05:00pm	Short Break	04:50 -- 05:00pm	Short Break	04:50 -- 05:00pm	Short Break
05:00 -- 06:00pm	SESSION: Big Data Applications I (Session Chair: George Vouros)	05:00 -- 06:00pm	SESSION: Big Data Analytics II (Session Chair: Jerry Gao)	05:00 -- 06:00pm	Plenary Close Session (Award of best papers and best presentations)
	Reg 29. Maria Schmidt, Ojashree Bhandare, Ajinkya Prabhune, Wolfgang Minker and Steffen Werner <i>Classifying Cognitive Load for a Proactive In-Car Voice Assistant</i>		Reg 70. João Marcos Do Valle, Gabriel Souza, Samuel Fidelis, Adelson Araújo Jr, Nélio Cacho, Iaslan Silva, Jaíne Budke, Henrique Sales, Max Filgueira, Frederico Lopes, Daniel Araújo and Rivaldo Silva Junior <i>Big Data Platform for Analysing Crime Evidences</i>		
	Demo 72. Tomasz Lewicki, Meera Kumar, Raymond Hong and Wencen Wu <i>Intracranial Hemorrhage Detection in CT Scans using Deep Learning</i>		Short 31. Anasse Bari, Junzhang Wang and Rafael Martins de Moraes <i>A Predictive Analytics Framework to Anomaly Detection</i>		
	Invited 81. Stathis Plitsos, Takis Varelas <i>Real-Time Ship management through the Lens of Big Data</i>		Short 16. Alexander Power and Gerald Kotonya <i>BoboCEP: Distributed Complex Event Processing for Resilient Fault-Tolerance Support in IoT</i>		
06:00 -- 08:00pm	Long Break	06:00 -- 08:00pm	Long Break	06:00 -- 08:00pm	
08:00 -- 08:50pm	SESSION: Social Networks (Session Chair: Iraklis Varlamis)	08:00 -- 08:50pm	SESSION: Big Data Applications II (Session Chair: Katerina Potika)	08:00 -- 08:50pm	
	Short 80. Aris Pagourtzis, Dora Souliou, Petros Potikas and Katerina Potika <i>Overlapping Community Detection via Minimum Spanning Tree Computations</i>		Short 79. Ricardo Buettner <i>The impact of trust in consumer protection on internet shopping behavior: An empirical study using a large official dataset from the European Union</i>		
	Reg 52. Abhishek Singh, Niraj Dharamshi, Preethi Thimma Govarthanarajan, Premal Dattatray Samale and Magdalini Eirinaki <i>The Tipping Point In Social Networks: Investigating the Mechanism behind Viral Information Spreading</i>		Short 34. Kristina Milkovich, Saurabh Shirur, Pratap Kishore Desai, Likhith Manjunath and Wencen Wu <i>ZenDen - A Personalized House Searching Application</i>		
	Reg 45. Priyanka Kasbekar, Katerina Potika and Chris Pollett <i>Find me if you can: aligning users in different social networks</i>		Short 76. Ricardo Buettner, Martin Blattner, Willi Reinhardt <i>The 3-Hour-Threshold to Extraordinary Gaming Behavior: Observing Playtime through Empirical Analysis of a Large-Scale Dataset Comprising 5,815 Random Steam Platform Users</i>		
			Short 56. István Finta, Sándor Szénási and Lóránt Farkas <i>Data Structure for Packet Deduplication in Distributed Environments</i>		
08:50 -- 09:00pm	Short Break	08:50 -- 09:00pm	Short Break	08:50 -- 09:00pm	
09:00 -- 10:00pm	Parallel Sessions	09:00 -- 10:00pm	Plenary Planning Meeting	09:00 -- 10:00pm	Reserved