



International Symposium on Big Data Management and Analytics

BIDMA 2018

Program Overview

Day 1 – Tuesday, April 24, 2018

8:30 AM – 8:45 AM	Opening		
8:45 AM – 9:45 AM	Keynote I: Dr. Eugene Fedutenko, Computer Modeling Group Ltd. (CMG): “Advanced Oil Reservoir Modeling by Using Multi-Layer Neural Networks”		
9:45 AM – 10:00 AM	Coffee Break		
10:00 AM	Brandon Laughlin, Ralph Laite, Khalil El-Khatib and Karthik Sankaranarayanan	Guided Machine-learning Framework for Anomaly Detection	S1: Big Data Analytics and Visualization Session Chair: Salim Afra
10:25 AM	Callum Johnson, Gabriel de Leon, Fatemeh Hendijani Fard, Emad Mohammed and Behrouz Far	Determination of Failure Factors in Hard Disk Drives	
10:50 AM	Carson Leung, Monica Mai and Ronnie Kwan	Big Data Analytics of Twitter Data	
11:15 AM	Reeta Suman	Visualization of Server Log Analytics for Anomaly Detection	
11:40 PM	Debasish Chakroborti, Banani Roy, Amit Kumar Mondal, Golam Mostaeen, Chanchal K. Roy and Kevin A. Schneider	A Data Management Scheme for Micro-Level Modular Computation-intensive Programs in Big Data Platforms	
12:05 PM	Carson Leung, Henry Bryan Wodi	Visual Analytics of Big Data: Visualizing Popular Patterns	
12:30 PM - 13:30 PM	Lunch		
13:30 PM – 14:30 PM	Keynote II: Dr. Behrouz Far, Dept. of Electrical and Computer Engineering, “Data Science and Applications in Healthcare”, Co-speaker: Dr. Emad Mohammad		
14:30 PM	Rasha Kashef and Marium Warraich	Homogenous Vs. Heterogeneous Distributed Data Clustering: A Taxonomy	S2: Data Mining and Big Data Algorithms Session Chair: kashfia Sailunaz
14:55 PM	Maninder Singh, Vaibhav Anu and Gursimran Walia	A Vertical Breadth-First Multilevel Path Algorithm to Find All Paths in a Graph	
15:20 PM	Mohamad Altarde and Majdi Mafarja	Binary Thermal Exchange Optimization for Feature Selection	

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Day 2 – Wednesday, April 25, 2018

9:00 AM - 10:00 AM	Keynote III: Dr. Eric Donovan, Department of Physics and Astronomy, University of Calgary		
10:00 AM - 10:15 AM	Coffee Break		
10:15 AM	Mohamad Elzohbi	Social Community Groups in Developing MANET Routing Protocols	S3: Big Data Applications Session Chair: Tamer Jarada
10:40 AM	Rayhan Ferdous, Banani Roy, Chanchal K. Roy and Kevin A. Schneider	Workflow Provenance for Big Data: From Modelling to Reporting	
11:05 AM	Avineet Randhawa	An Applied Data Analytics Powered Alarm System	
11:30 AM	Sara Hosseinzadeh Kassani and Ralph Deters	Leveraging protection and efficiency of query answering in heterogenous RDF data by a view layer	
11:55 AM	Jun Ma, Paul Tu and Ding Feng	Order Acceptance Policy for Make-To-Order Supply Chain	
12:20 PM - 13:30 PM	Lunch		
13:30 PM – 14:30 PM	Keynote IV: Dr. Xin Wang, Department of Geomatics Engineering, University of Calgary, “Personalized Travel Route Recommendation Using Collaborative Filtering Based on GPS Trajectories”		
14:30 PM	Emad Mohammed	A Perspective on “Working with Data” Curriculum Development	S4: Big Data in Education Session Chair: Manmeet Dhaliwal
14:55 PM	Nelson Wong and Jalal Kawash	An Introductory Multidisciplinary Data Science Course Incorporating Experiential Learning	
15:20 PM	Mahmood Moussavi, Yasaman Amannejad, Mohammad Moshirpour, Emily Marasco and Laleh Behjat	Importance of Data Analytics for Improving Teaching and Learning Methods	
15:45 PM – 16:00 PM	Coffee Break		
16:00 PM	Muhammad Younus, Shaikh Muhammad Allayear, Sheikh Joly Ferdous Ara, Md Tahsir Ahmed Munna and Mirza Mohtashim Alam	Prediction Model for Prevalence of Type-2 Diabetes Mellitus Complications Using Machine Learning Approach	S5: Big Data in Health Session Chair: Nima Sarajpoor
16:25 PM	Abdullah Sarhan, Jone Rokne and Reda Alhajj	Approaches for Early Detection of Glaucoma using Retinal Images: A Performance Analysis	
16:25 PM – 17:00 PM	Closing Remarks		