International Symposium on Big Data Management and Analytics
BIDMA 2017
Program Overview

	Day 1 – Monday, April 17, 2017		
8:30 AM	**Opening**		
8:45 AM	**Keynote I - Frank Seide (Microsoft): The Microsoft Cognitive Toolkit (CNTK): The Computer Science Behind the Microsoft Open-Source Toolkit for Large-Scale Deep Learning**		**Session Chair: Dr. Behrouz Far**
9:45 AM	**Break**		
10:15 AM - 12:15 PM	Sara Aghakhani, Reda Alhajj, and Philip Chang	An Effective Bayesian LmRMR for Financial Variable Selection, Missing Data Discovery and Its Applications	**S1: Data Analysis** *Session Chair: Salim Afra*
	Emad Mohammed, Christopher Naugler, and Behrouz Far	A Sliding-Window Algorithm Implementation in MapReduce	
	Navdeep Singh Randhawa, and Mandeep Dhami	Enhanced Load balancer with Multi -layer processing architecture for heavy load over cloud network	
	Munima Jahan, Elham Akhond Zadeh Noughabi, Behrouz H. Far, and Reda Alhajj	Finding Influential Factors in Cancer Database: A Data Mining Approach	**S2-I: Big Data Applications** *Session Chair: Sara Aghakhani*
	Sepideh Afkhami Goli, Behrouz Far, and Abraham Fapojuwo	Vehicle Trajectory Prediction at an Intersection using Non-parametric Gaussian Process Regression	
12:15 PM - 1:15 PM	**Lunch**		
1:15 PM - 2:15 PM	**Keynote II – Dr. Eugene Fedutenko (Computer Modeling Group Ltd - CMG): Neural Network Proxy Modeling of Oil Reservoirs**		**Session Chair: Dr. Jon Rokne**
2:15 PM - 4:30 PM	Stephen Singam, and William Cox	Building a Real - Time State Storage and Machine Learning Algorithm to mitigate Advanced Persistent Threats (APTs)	**S2-II: Big Data Applications**
	Arezo Bodaghi and Babak Teimourpour	Auto insurance fraud detection using social network analysis	**S3: Network Analysis and Tracking** *Session Chair: Alper Aksac*
	Kashfia Sailunaz, Jon Rokne, and Reda Alhajj	Temporal Dependency between Evolution of Features and Dynamic Network	
	Bahram Asgharpour and Babak Teimourpour	Improving circular layout algorithm for social network visualization using genetic algorithm	
	Animesh Gupta, Jon Rokne, and Reda Alhajj	Predicting Implicit Negative Relations in Online Social Networks	
5:00 PM - 7:00 PM	**Dinner (ICT 516)**		

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Day 2 – Tuesday, April 18, 2017			
9:00 AM - 10:00 AM	**Keynote III - Dr. Leslie Reid (University of Calgary): Big Data, Small Data, We need all data! Improving educational learning outcomes through data-informed decisions**		*Session Chair: Dr. Jalal Kawash*
10:00 AM - 10:30 AM	Break		
10:30 AM - 12:15 PM	Manmeet Dhaliwal, Jon Rokne, and Reda Alhajj	Recommender System for Product Avoidance	**S4: Sentiment Analysis and Recommendation Systems**
	Dayne Sorvisto, Giri Berenstein, and Taufik Al-Sarraj	Big Data Mining: Experiments in live Sentiment Analysis with Twitter	
	Sahil Sharma, Jon Rokne, and Reda Alhajj	Predicting Future with Social Media based on Sentiment and Quantitative Analysis	*Session Chair: Animesh Gupta*
	Emad Mohamed, and Behrouz Far	Teaching Big Data at the University of Calgary	
12:15 PM – 1:15 PM	Lunch		
1:15 PM - 3:00 PM	Fatemeh Safinejad, Elham Akhond Zadeh Noughabi, and Behrouz Far	A dynamic Model for Customer Churn Prediction in Retail Banking Industry	**S5: Customer Analysis and Community Detection**
	Majid Arasteh, and Somayeh Alizadeh	A Review on Scalable Community Detection in Complex Networks	
	Mohammad Saeedi, and Amir Albadvi	A new 3D value model for customer segmentation: Complex Network Approach	*Session Chair: Manmeet Dhaliwal*
	Sepideh Faridizadeh, Neda Abdolvand, and Saeedeh Rajaee Harandi	Market Basket Analysis Using Community Detection Approach: a Real Case	
3:00 PM - 5:00 PM	**Tutorial – Dr. Emad Mohammed (University of Calgary): Rapid prototyping of your first big data analytics project**		
5:00 PM	**Best Paper Award & Closing Remarks**		