IEEE CIC Conference Day 1: Sunday, Oct 15, 2017

8am-5:30pm	Conference Registration (*Conference Registration Desk outside Ballroom Foyer*)
7:30-8:30am	Informal Meet & Greet – Breakfast (*Ballroom 1 & 2*)
8:30-8:45am	Welcome, Conference Opening Remarks (*Ballroom 3&4*)
8:45-9:45am	**Keynote 1:** Victor Bahl *Distinguished Scientist* *Director, Mobile & Networking Research, Microsoft Research, USA* (*Ballroom 3&4*)
9:45–10am	Coffee Break (*Ballroom Foyer*)

10am-12noon	Session 1 **Collaboration** (*Ballroom 3&4*) Chair: Mohamed Eltoweissy	Session 2 **Document Management** (*Fremont*) Chair: Surya Nepal

12:00am-1:30pm	**Lunch** (*Ballroom 1 & 2*)
1:30pm – 2:30pm	**Keynote 2:** Edward A. Lee *Robert S. Pepper Distinguished Professor* *EECS Department, University of California at Berkeley, USA* (*Ballroom 3&4*)
2:30pm – 2:45pm	Coffee Break (*Ballroom Foyer*)

2:45-4:45pm	Session 3 **Security and Privacy** (*Ballroom 3&4*) Chair: Amol S Patwardhan	Session 4 **Access Control** (*Fremont*) Chair: Youna Jung

6:30 pm Onwards	**Reception Dinner** (*Ballroom 1 & 2*)

IEEE CIC Conference Day 2: Monday, Oct 16, 2017

8am-5:30pm	Conference Registration (*Conference Registration Desk at Ballroom Foyer*)
7:30-8:45am	Informal Meet & Greet – Breakfast (*Ballroom 1 & 2*)
8:45-9:45am	**Keynote 3:** **Mohammad R Haghighat** *Senior Principal Engineer* *Intel Inc., USA* (*Ballroom 3&4*)
9:45–10am	Coffee Break (*Ballroom Foyer*)

10am-12noon	Session 5 **Internet-of-Things** (*Ballroom 3&4*) Chair: Dimitrios Georgakopoulos	Session 6 **Trust** (*Fremont*) Chair: Rafael Angarita	**2nd International Workshop on Internet-scale Clouds and Big Data (ISCBD)** (*Balentine*)
12noon -1:30pm	Lunch (*Ballroom 1&2*)		
1:30 – 2:30	**Keynote 4:** **Morteza Ansari** *Distinguished Engineer, Office of security CTO* *Cisco Systems, USA* (*Ballroom 3&4*)		
2:30-2:45	Coffee Break (*Ballroom Foyer*)		
2:45-4:45pm	Session 7 **Cloud Services and Security** (*Ballroom 3&4*) Chair: Min-Jen Tsai	Session 8 **Blockchain and Mining** (*Fremont*) Chair: Fadi Mohsen	Tutorial: **Collaboration on IoT** Dr. Mohamed Eltoweissy & Dr. Youna Jung (*Balentine*)
6:30-9:30pm	**Banquet/Social Dinner & Awards Ceremony** **(Ballroom 1 & 2)**		

IEEE CIC Conference Day 3: Tuesday, Oct 17, 2017

8am-5pm	Conference Registration (*Conference Registration Desk at* *Ballroom Foyer*)
7:30-8:45am	Informal Meet & Greet – Breakfast (*Ballroom 1 & 2*)
8:45-9:45am	**Keynote 5:** **Amr el Abadi** ***Professor*** ***Department of Computer Science, University of California at Santa Barbara, USA*** (*Ballroom 3&4*)
9:45 – 10:45am	Keynote: **C. Mohan, Professor** ***IBM Fellow, Almaden Research Center, San Jose, CA 95120, USA and Distinguished Visiting Professor (Tsinghua University)*** (*Ballroom 3&4*)
10:45–11am	Coffee Break (*Ballroom Foyer*)

	Session 9 **Social Media & Machine Learning** (*Ballroom 3&4*) Chair: Dimitrios Georgakopoulos	Session 10 **Access Control Applications** (*Fremont*) Chair: Da-Yin Liao
11am-1:00pm		

1:00pm–2:00pm	**Lunch** (*Ballroom 1 & 2*)

	Session 11 **Social Computing** (*Ballroom 3&4*) Chair: Calton Pu	Session 12 **Information Sharing and Management** (*Fremont*) Chair: James Joshi
2:00 – 4:00pm		

4:00pm	End

Session 1: Collaboration

Chair: Mohamed Eltoweissy
10:00 A.M. – Noon, *Ballroom 3&4*

- ➢ **OntoEDS: Protecting Energy Delivery Systems by Collaboratively Analyzing Security Requirements (invited paper)**
  Josephine Lamp, Carlos E. Rubio-Medrano, Ziming Zhao and Gail-Joon Ahn (*Arizona State University, USA*)
- ➢ **A Comparative Study of e-Collaboration on Temporary vs. Ongoing Teams (Full paper)**
  David Kauffmann (*Lev Academic center JCT, Israel*) and Golan Carmi (*Lev Academic center JCT, Israel*)
- ➢ **Sentiment Identification for Collaborative, Geographically Dispersed, Cross-functional Software Development Teams (Full paper)**
  Amol Patwardhan (*AssetMark, Financial, Inc, USA*)
- ➢ **WebNSM: A Novel Scalable WebRTC Signalling Mechanism for Many-to-Many Video Conferencing (Full paper)**
  Naktal Edan (*University of Northampton, UK*), Ali Al-Sherbaz (*University of Northampton, UK*) and Scott Turner (*University of Northampton, UK*)

Session 2: Document Management

Chair: Surya Nepal
10:00 A.M. – Noon, *Fremont*

- ➢ **Concurrent Command and Consistency Management for Distributed Compound Document Authoring (Full paper)**
  Johannes Klein (*University of Luxembourg, Luxembourg*), Jean Botev (*University of Luxembourg, Luxembourg*) and Steffen Rothkugel (*University of Luxembourg, Luxembourg*)
- ➢ **Model Selection Based on Kalman Temporal Differences Learning (Full paper)**
  Takehiro Kitao (*Hosei University, Japan*), Masato Shirai (*Shimane University, Japan*) and Takao Miura (*Hosei University, Japan*)
- ➢ **Extracting Linked Data from HTML Tables (Application paper)**
  Ahmed Ktob (*Beihang University, China*), Zhoujun Li (*Beihang University, China*) and Djelloul Bouchiha (*University Center of Nâama, Algeria*)
- ➢ **Source Identification for Printed Documents (Application paper)**
  Min-Jen Tsai, Min-Jen Tsai, Imam Yuadi, Jin-Sheng Yin, Yu-Han Tao (*National Chiao Tung University, Taiwan*)

Session 3: Security and Privacy

Chair: Amol S Patwardhan
2:45 P.M. – 5:15 P.M., *Ballroom 3&4*

- ➢ **When Do Changes Induce Software Vulnerabilities? (Full paper)**
  Manar Alohaly (*University of North Texas, USA*) and Hassan Takabi (*University of North Texas, USA*)
- ➢ **Detecting Android Malwares By Mining Statically Registered Broadcast Receivers (Full paper)**

Fadi Mohsen (*University of Michigan Flint, USA*), Halil Bisgin (*University of Michigan Flint, USA*), Zachary Scott (*University of Michigan Flint, USA*) and Kyle Strait (*University of Michigan Flint, USA*)

➢ **VAPTAi: A Threat Model for Vulnerability Assessment and Penetration Testing of Android and iOS Mobile Banking Apps (Full paper)**
Sriramulu Bojjagani (*IDRBT, University of Hyderabad, India*) and V.N. Sastry (*IDRBT, University of Hyderabad, India*)

➢ **PADS: Privacy-preserving Auction Design for Allocating Dynamically Priced Cloud Resources (Full paper)**
Jinlai Xu (*University of Pittsburgh, USA*), Balaji Palanisamy (*University of Pittsburgh, USA*), Yuzhe Tang (*Syracuse University, USA*) and S.D. Madhu Kumar (*National Institute of Technology Calicut, India*)

➢ **Design of a Location-based Publish/Subscribe Service using a Graph-based Computation Model (Application paper)**
Anand Tripathi and Henry Hoang (*University of Minnesota Minneapolis, USA*)

Session 4 Access Control

Chair: Youna Jung
2:45 P.M. – 5:15 P.M., *Fremont*

➢ **Personalizing context-aware access control on mobile platforms (Invited paper)**
Prajit Kumar Das, Anupam Joshi, Tim Finin (*University of Maryland, Baltimore, USA*)

➢ **Access Control for Distributed Processing System: Use Cases and General Considerations (Full paper)**
Ang Li (*University of Arkansas, USA*), Qinghua Li (*University of Arkansas, USA*) and Vincent Hu (*National Institute of Standards and Technology, USA*)

➢ **AARBAC: Attribute Based Administration of Role Based Access Control (Full paper)**
Jiwan Ninglekhu (*UTSA, USA*) and Ram Krishnan (*UTSA, USA*)

➢ **Policy Adaptation in Attribute-Based Access Control for Inter-organizational Collaboration (Application paper)**
Saptarshi Das (*IIT Kharagpur, India*), Shamik Sural (*IIT Kharagpur, India*), Jaideep Vaidya (*Rutgers University, USA*) and Vijay Atluri (*Rutgers University, USA*)

➢ **Web Services Policy Generation Based on SLA Requirements (Application paper)**
Saadaoui Alaeddine and Stephen Scott (*Tennessee Tech University, USA*)

Session 5: Internet-of-Things
Chair: Dimitrios Georgakopoulos
10:00 A.M. – Noon, *Ballroom 3&4*

➢ **Fog Computing Assisted Wireless Network Virtualization for Resilient Internet-of-Things (invited paper)**
Md. Salik Parwez and Danda B. Rawat (*Howard University, USA*)

➢ **Service Based FOG Computing Model for IoT (full paper)**

Tasnia H. Ashrafi (*BRAC University, Bangladesh*), Md. A. Hossain (*BRAC University, Bangladesh*), Sayed E. Arefin (*BRAC University, Bangladesh*), Kowshik D. J Das (*BRAC University, Bangladesh*) and Amitabha Chakrabarty (*BRAC University, Bangladesh*)

➢ **Secure and Efficient Authenticated Key Exchange Mechanism for Wireless Sensor Networks and Internet of Things using Bloom Filter (Application paper)**
Anup Kumar Maurya (*Institute for Development & Research in Banking Technology, University of Hyderabad, India*) and V.N. Sastry (*Institute for Development & Research in Banking Technology, University of Hyderabad, India*)

➢ **DeepFood: Automaic Multi-Class Classification of Food Materials Using Deep Learning (Invited paper)**
Lili Pan, Samira Pouyanfar, Hao Chen, Jiaohua Qin, Shu-Ching Chen (*Florida International University*)

Session 6: Trust
Chair: Rafael Angarita
10:00 A.M. – Noon, *Fremont*

➢ **Detection of Phishing Webpages using Heterogeneous Transfer Learning (invited paper)**
Karl Weiss and Taghi M. Khoshgoftaar (*Florida Atlantic University, USA*)

➢ **Towards Collaborative Trust Management (Full paper)**
Hisham Salah (*Virginia Tech, USA*) and Mohamad Eltoweissy (*Virginia Tech, USA*)

➢ **dTrust: a deep learning approach for social recommendation (Application paper)**
Quang-Vinh Dang (*Université de Lorraine, France*) and Claudia-Lavinia Ignat (*INRIA, France*)

➢ **Presenting a New Method, Using Topology Virtualization for Stabilizing Flow Tables in SDWN**
Maryam Karimi (*University of Pittsburgh, USA*), Mohammad Sadegh Najafi (*Shiraz University of Technology, Iran*), Reza Akbari (*Shiraz University of Technology, Iran*) and Manijeh Keshtgari (*Shiraz University of Technology, Iran*)

Session 7: Cloud Services and Security
Chair: Min-Jen Tsai
2:45 P.M. – 4:45 P.M., *Ballroom 3&4*

➢ **A Recommendation-Based Approach for Cloud Service Brokerage: a Case Study in Public Administration (invited paper)**
Antonino Galletta (*University of Messina, Italy*), Oliver Ardo, (*Interway*), Antonio Celesti (*University of Messina, Italy*), Peter Kissa (*Interway*), Massimo Villari (*University of Messina, Italy*)

➢ **Towards Online Smart Disguise: Real-time Diversification Evading Co-Residency Based Cloud Attacks (Application paper)**
Mona Kashkoush (*Egypt*), Mohamed Azab (*Egypt*), Mohamed Eltoweissy (*Virginia Military Institute, USA*) and Gamal Attiya (*Egypt*)

➢ **An Elliptic Curve Cryptography based Encryption Scheme for Securing the Cloud against Eavesdropping Attacks (Application paper)**
Anshuman Chhabra (*Netaji Subhas Institute of Technology, India*) and Shivam Arora (*Guru Gobind Singh Indraprastha University, India*)

➢ **Security failure trends of cloud computing (Application paper)**

Zachariah Pabi Gariba (*University of South Africa, South Africa*) and John Andrew van der Poll (*University of South Africa, South Africa*)

Session 8: Blockchain and Mining

Chair: Fadi Mohsen
2:45 P.M. – 4:45 P.M., *Fremont*

➢ **From Myths to Norms: Demystifying Data Mining Models with Instance-based Transparency (Invited paper)**
Yasmeen Alufaisan, Yan Zhou, Murat Kantarcioglu, Bhavani Thuraisingham (*UT Dallas, USA*)

➢ **Profit Maximization for Bitcoin Pool Mining: A Prospect Theoretic Approach (Full paper)**
Mehrdad Salimitari (*University of Central Florida, USA*), Mainak Chatterjee (*University of Central Florida, USA*), Murat Yuksel (*University of Central Florida, USA*) and Eduardo Pasiliao (*Air Force Research Lab, USA*)

➢ **Design of A Blockchain-based Lottery System for Smart Cities Applications (Application paper)**
Da-Yin Liao (*Straight & Up Intelligent Innovations Group Co., USA*) and Xuehong Wang (*Peking University, China*)

➢ **Exploring the Effectiveness of Twitter at Polling the United States 2016 Presidential Election (invited paper)**
Brian Heredia, Taghi M. Khoshgoftaar and Joseph D. Prusa (*Florida Atlantic University, USA*)

Session 9: Social Media and Machine Learning

Chair: Dimitrios Georgakopoulos
11:00 A.M. – 1:00pm, *Ballroom 3&4*

➢ **Towards Quality-assured Data Delivery in Cloud-based IoT Platforms for Smart Cities (Application paper)**
Sunil Singh Samant (*Swinburne University, Australia*), Mohan Baruwal Chhetri (*Swinburne University, Australia*), Bao Vo (*Swinburne University, Australia*), Ryszard Kowalczyk (*Swinburne University, Australia*) and Surya Nepal (*Data61 CSIRO, Australia*)

➢ **Quantifying Content Polarization on Twitter (Full paper)**
Muheng Yan, Xidao Wen and Yu-Ru Lin (*University of Pittsburgh, USA*)

➢ **USNB: Enabling Universal Online Social Interactions (Full paper)**
Rafael Angarita, Nikolaos Georgantas and Valerie Issarny (*INRIA, France*)

➢ **A Comparative Study of Increasing Automation in the Integration of Multilingual Social Media Information (Full paper)**
Qixuan Hou (*Georgia Institute of Technology, USA*), Aibek Musaev (*Georgia Institute of Technology, USA*), Yang Yang (*University of Alabama, USA*) and Calton Pu (*Georgia Institute of Technology, USA*)

Session 10: Access Control Applications

Chair: Da-Yin Liao
11:00 A.M. – 1:00pm, *Fremont*

➢ **An Access Control Framework for Cloud-Enabled Wearable Internet of Things (invited paper)**
Smriti Bhatt, Farhan Patwa and Ravi Sandhu (*UTSA, USA*)

- ➤ **Efficient bottom-up Mining of Attribute Based Access Control Policies (Full paper)**
  Tanay Talukdar (*Rutgers University, USA*), Gunjan Batra (*Rutgers University, USA*), Jaideep Vaidya (*Rutgers University, USA*), Vijay Atluri (*Rutgers University, USA*) and Shamik Sural (*IIT Kharagpur, India*)
- ➤ **A Risk-Aware Access Control Framework for Cyber-Physical Systems (Application paper)**
  Nuray Baltaci Akhuseyinoglu and James Joshi (*University of Pittsburgh, USA*)
- ➤ **Multi-Owner Multi-Stakeholder Access Control Model for a Healthcare Environment (Application paper)**
  Leila Karimi and James Joshi (*University of Pittsburgh*, *USA*)

Session 11: Social Computing
Chair: Calton Pu
2:00 P.M. – 4:00 P.M., *Ballroom 3&4*

- ➤ **Deep and Broad Learning on Content-aware POI Recommendation (Invited paper)**
  Fengjiao Wang, Yongzhi Qu, Lei Zheng, Chun-ta Lu, Philip S. Yu
- ➤ **Dependency Management with WED-flow Techniques and Tools: A Case Study (Invited paper)**
  João E. Ferreira, Pedro L. Takecian, Leonardo T. Kamamura, Bruno Padilha and Calton Pu (Georgia Tech, USA).
- ➤ **Task Design and Crowd Sentiment in Biocollections Information Extraction (Full paper)**
  Icaro Alzuru, Andréa Matsunaga, Maurício Tsugawa and Jose Fortes (*University of Florida, USA*)
- ➤ **CaCM: Context-aware Call Management for Mobile Phones (Application paper)**
  Hsien-Ming Chou (*University of Maryland, Baltimore County, USA*), Dongsong Zhang(*University of Maryland, Baltimore County, USA*), Lina Zhou (*University of Maryland, Baltimore County, USA*) and Yin Kang (*Samsung Research America, USA*)

Session 12: Information Sharing and Management
Chair: James Joshi
2:00 P.M. – 4:00 P.M., *Fremont*

- ➤ **Detection of Temporal Insider Attacks on Relational Databases (Invited paper)**
  Asmaa Sallam, Elisa Bertino (*Purdue University, USA*)
- ➤ **A socio-technical perspective in support of information sharing for diverse teams in today's workplace (Application paper)**
  Laura C. Anderson and Cheryl A. Kieliszewski (*IBM Research – Almaden, USA*) – Application paper
- ➤ **An Efficient Multi-Show Unlinkable Attribute Based Credential Scheme for a Collaborative E-health Environment (Full paper)**
  Harsha Sandaruwan Gardiyawasam Pussewalage and Vladimir Oleshchuk (*University of Agder, Norwa*y)
- ➤ **Exploring the Challenges and Opportunities of Cloud Stacks in Dynamic Resource Environments (Full paper)**
  Fan Yang, Andrew Chien and Haryadi Gunawi (*University of Chicago, USA*)

2nd International Workshop on Internet-scale Clouds and Big Data (ISCBD)

Workshop Co-Chair: Balaji Palanisamy

- ➢ **Multikernel Simulation: A new approach to study rollback sensitive memory architecture**
  Priya Chandran, Lakshya Garg and Aditya Kumar (*National Institute of Technology Calicut, India*)
- ➢ **Proposing and Testing New Security Cue Designs for OAuth-WebView-Embedded Mobile Applications**
  Fadi Mohsen and Mohamed Shehab (*UNC Charlotte, USA*)
- ➢ **A Method for Storage Node Allocation in Erasure Code based Storage Systems**
  Ojus Thomas Lee, Akash GJ, S D Madhu Kumar and Priya Chandran (*National Institute of Technology Calicut, India*)