

IPCCC 2017 Program Draft

Sunday (12/10)

8:15-8:30		Opening Remarks
8:30-9:45		Keynote (Dr. K. K. Ramakrishnan)
9:45-10:00		Break
10:00-12:00	Session 1.1 (5 papers - Best paper candidates session)	
12:00-1:15		Lunch
1:15 - 3:15	Session 1.2 (5 Papers)	Session 1.3 (5 Papers)
3:15-3:30		Break
3:30-5:30	Session 1.4 (5 Papers)	Session 1.5 (5 Papers)
6:00-8:00 pm		Reception & Poster Session

Monday(12/11)

8:15-8:30		Opening Remarks
8:30-9:45		Keynote (Dr. Wenjing Lou)
9:45-10:00		Break
10:00-12:00	Session 2.1 (5 papers)	Session 2.2(5 papers)
12:00-1:15		Lunch
1:15 - 3:15	Session 2.3 (5 Papers)	Session 2.4 (4 Papers)
3:15-3:30		Break
3:30-5:30	Session2.5 (5 Papers)	Session 2.6 (5 Papers)
6:00-8:00 pm		Executive Committee Dinner

Tuesday (Workshop session)

8:15-8:30	Opening Remarks
8:30-10:30	Session 3.1 (5 papers)
10:30-10:45	Break
10:45-12:45	Session 3.2 (5 papers)

Session 1.1, Best Paper Candidates Chair: Xubin He

1	1570384482	Robust and Lightweight Fault Localization	Bo Wu (Tsinghua University, P.R. China); Ke Xu (Tsinghua University, P.R. China); Qi Li (Tsinghua University, P.R. China); Fan Yang (Tsinghua University, P.R. China)
2	1570387068	When QUIC Meets TCP: an Experimental Study	Yajun Yu (Tsinghua University, P.R. China); Mingwei Xu (Tsinghua University, P.R. China); Yuan Yang (Tsinghua University, P.R. China)

3	1570388310	Scheduling Loop-free Updates for Multiple Policies with Overlaps in Software-Defined Networks	Jinping Yu (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); Xinxin Fan (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); Guoqiang Zhang (Nanjing Normal University, P.R. China); Jingping Bi (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China)
4	1570388500	H-NVMe: A Hybrid Framework of NVMe-based Storage System in Cloud Computing Environment	Zhengyu Yang (Northeastern University, USA); Morteza Hoseinzadeh (University of California, USA); Ping Wong (Samsung Semiconductor Inc, USA); John Artoux (Samsung Semiconductor Inc, USA); Clay Mayers (Samsung Semiconductor Inc, USA); David Evans (Samsung Semiconductor Inc, USA); Rory Bolt (Samsung Semiconductor Inc, USA); Janki Bhimani (Northeastern University & Samsung Semiconductors, USA); Ningfang Mi (Northeastern University, USA); Steven Swanson (University of California, USA)
5	1570393530	Link-Based Fine Granularity Flow Migration in SDNs to Reduce Packet Loss	Yang Chen (Temple University, USA); Jie Wu (Temple University, USA)

Session 1.2, Data Center and Cloud C Chair: Ningfang Mi

1	1570381582	AutoTiering: Automatic Data Placement Manager in Multi-Tier All-Flash Datacenter	Zhengyu Yang (Northeastern University, USA); Morteza Hoseinzadeh (University of California, USA); Allen Andrews (Samsung Semiconductor Inc, USA); Clay Mayers (Samsung Semiconductor Inc, USA); David Evans (Samsung Semiconductor Inc, USA); Rory Bolt (Samsung Semiconductor Inc, USA); Janki Bhimani (Northeastern University & Samsung Semiconductors, USA); Ningfang Mi (Northeastern University, USA); Steven Swanson (University of California, USA)
2	1570386403	Towards Location-aware Joint Job and Data Assignment in Cloud Data Centers with NVM	Xin Li (Nanjing University of Aeronautics and Astronautics, P.R. China); Jie Wu (Temple University, USA); Zhuzhong Qian (Nanjing University, P.R. China); Zhuzhong Qian (Nanjing University, P.R. China); Shaojie Tang (University of Texas at Dallas, USA); Sanglu Lu (Nanjing University, P.R. China)

3	1570387498	START: Sensible Traffic Scheduling in Dynamic Data Center Networks	Ziyan Song (Tsinghua University, P.R. China); Ting Zhang (Tsinghua University, P.R. China); Qing Li (Graduate School at Shenzhen, Tsinghua University, P.R. China); Guang Yang (Graduate School at Shenzhen, Tsinghua University, P.R. China); Yong Jiang (Graduate School at Shenzhen, Tsinghua University, P.R. China)
4	1570388732	Resource Optimization for Survivable Embedding of Virtual Clusters in Cloud Data Centers	Biyu Zhou (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); Jie Wu (Temple University, USA); Fa Zhang (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); Zhiyong Liu (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China)
5	1570394685	Elastic Scaling of Virtual Clusters in Cloud Data Center Networks	Shuaibing Lu (Jilin University, P.R. China); Zhiyi Fang (Jilin University, P.R. China); Jie Wu (Temple University, USA); Guannan Qu (Jilin University, P.R. China)

Session 1.3, Mobile and Wireless Ne Chair: JJ Garcia-Luna-Aceves

1	1570380585	Spatio-Temporal Event Detection and Reporting in Mobile-Sink Wireless Sensors Networks	Catalina Aranzazu-Suescun (Florida Atlantic University, USA); Mihaela Cardei (Florida Atlantic University, USA)
2	1570388558	Can MPTCP increase system efficiency and fairness in 802.11 multirate WLAN environment?	Zhuo Jiang (Tsinghua University, P.R. China); Qian Wu (Tsinghua University, P.R. China); Hewu Li (Tsinghua University, P.R. China); Jianping Wu (Tsinghua University, P.R. China)
3	1570388590	Avoiding Interference from Hidden Terminals with Carrier Tones	J.J. Garcia-Luna-Aceves (University of California at Santa Cruz; Palo Alto Research Center, USA)
4	1570394818	Minimal Road-Side Unit Placement for Delay-Bounded Applications in Bus Ad-hoc Networks	Haizhou Bao (Wuhan University, P.R. China); Qin Liu (Wuhan University, P.R. China); Chuanhe Huang (Wuhan University, P.R. China); Xiaohua Jia (City University of Hong Kong, Hong Kong)

5	1570388588	Time-Based Persistence in Channel-Access Protocols with Carrier Sensing	J.J. Garcia-Luna-Aceves (University of California at Santa Cruz; Palo Alto Research Center, USA); Spencer Thompson (UC Santa Cruz, USA); Joshua Stern (UC Santa Cruz, USA)
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Session 1.4, Recovery, optimization & Chair: Hongliang Li

1	1570386575	Integrated Recovery and Task Allocation for Stream Processing	Hongliang Li (Jilin University, P.R. China); Jie Wu (Temple University, USA); Zhen Jiang (West Chester University of Pennsylvania; Information Security Center, USA); Xiang Li (Jilin University, P.R. China); Xiaohui Wei (Jilin University, P.R. China); Yuan Zhuang (Jilin University, P.R. China)
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2	1570388506	Optimizing Locality in Graph Computations using Reuse Distance Profiles	Abdel-Hameed A. Badawy (New Mexico State University, USA); Donald Yeung (University of Maryland, USA)
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3	1570393526	Does the Content Defined Chunking Really Solve the Local Boundary Shift Problem?	Wenlong Tian (Huazhong University of Science and Technology; Virginia Commonwealth University, P.R. China); Ruixuan Li (Huazhong University of Science and Technology, P.R. China); Zhiyong Xu (Suffolk University, USA); Weijun Xiao (Virginia Commonwealth University, USA)
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4	1570393565	On Minimizing the Maximum Sensor Movement to Construct a Horizontal Barrier	Xiaoyun Zhang (Iowa State University, USA); Daji Qiao (Iowa State University, USA)
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5	1570393532	Robust Passive Static Human Detection with Commodity WiFi Devices	Hai Zhu (Nanjing University of Posts and Telecommunications, P.R. China); Fu Xiao (Nanjing University of Posts and Telecommunications, P.R. China); Lijuan Sun (Nanjing University of Posts and Telecommunications, P.R. China); Xiaohui Xie (Nanjing University of Posts and Telecommunications, P.R. China); Ruchuan Wang (Nanjing University of Posts and Telecommunications, P.R. China)
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Session 1.5, Security and Privacy Chair: Tingting Chen

1	1570388277	Mitigating Cloud Co-Resident Attacks via Grouping-based Virtual Machine Placement Strategy	Xin Liang (Xi'an Jiaotong University, P.R. China); Gui Lin (Xi'an JiaoTong University, P.R. China); Jian An (Xi'an Jiaotong University, P.R. China); Dewang Ren (Xi'an Jiaotong University; School of Electronics; Information Engineering and Shaanxi Province Key Laboratory of Computer Network, P.R. China)
2	1570388417	A Privacy-preserving Combinatorial Auction Mechanism for Spectrum Redistribution	Fudong Qiu (Shanghai Jiao Tong University, P.R. China); Fan Wu (Shanghai Jiao Tong University, P.R. China); Xiaofeng Gao (Shanghai Jiao Tong University, P.R. China); Guihai Chen (Shanghai Jiao Tong University, P.R. China)
3	1570388561	Identifying Malware with HTTP Content Type Inconsistency via Header-Payload Comparison	Fei Xu (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Haiqing Pan (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Zigang Cao (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Zhen Li (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Gang Xiong (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Yangyang Guan (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Siu Ming Yiu (The University of Hong Kong, Hong Kong)
4	1570394697	Revisiting inter-AS IP Spoofing Let the Protection Drive Source Address Validation	Yihao Jia (Tsinghua University, P.R. China); Ying Liu (Tsinghua University, P.R. China); Gang Ren (Tsinghua University, P.R. China); Lin He (Tsinghua University, P.R. China)
5	1570388294	Cookie-based Amplification Repression Protocol	Jing Zheng (Tsinghua University, P.R. China); Jianhua Sun (College of William and Mary, USA); Kun Sun (George Mason University, USA); Bo Wu (Tsinghua University, P.R. China); Qi Li (Tsinghua University, P.R. China)

Session 2.1, Cache, Memory, and Sto Chair: Jehan Francois Paris

1	1570387453	Popularity-based Neighborhood Collaborative Caching for Information-Centric Networks	Xiaodong Zhu (Institute of Acoustics, Chinese Academy of Sciences, P.R. China); Jinlin Wang (the Institute of Acoustics, CAS, P.R. China); Lingfang Wang (Institute of Acoustics, CAS., P.R. China); Weining Qi (Institute of Acoustics, Chinese Academy of Sciences, P.R. China)
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2	1570388582	Using Entanglements to Increase the Reliability of Two-Dimensional Square RAID Arrays	Jehan-Francois Paris (University of Houston, USA); Veronica Estrada-Galinanes (University of Neuchatel, Switzerland); Ahmed Amer (Santa Clara University, USA); Carlos Rincon (University of Houston, USA)
3	1570393477	Joint source selection and transfer optimization for erasure coding storage system	Han Zhang (Tsinghua University, P.R. China); Xingang Shi (Tsinghua University, P.R. China); Yingya Guo (Tsinghua University, P.R. China); Haijun Geng (Shanxi University, P.R. China); Zhiliang Wang (Tsinghua University, P.R. China); Xia Yin (Tsinghua University, P.R. China)
4	1570388130	A DAX-enabled Mmap Mechanism for Log-structured In-memory File Systems	Zhixiang Mao (Shanghai Jiao Tong University, P.R. China); Shengan Zheng (Shanghai Jiao Tong University, P.R. China); Linpeng Huang (Shanghai Jiao Tong University, P.R. China); Yanyan Shen (Shanghai Jiao Tong University, P.R. China)
5	1570393787	Secure Processing-aware Media Storage (SPMS)	Jannatun Noor (Bangladesh University of Engineering and Technology, Bangladesh); Hasan Ibna Akbar (IPVision Canada Inc., Bangladesh); Ruhul Amin Sujon (IPvision Canada Inc, Bangladesh); A. B. M. Alim Al Islam (Bangladesh University of Engineering and Technology, Bangladesh)

Session 2.2, Crowdsourcing and Mob Chair: Mea Wang

1	1570387686	A Truthful Auction Mechanism for Resource Provisioning in Mobile Crowdsensing	Zhenyu Ju (Wuhan University, P.R. China); Chuanhe Huang (Wuhan University, P.R. China); Yanjiao Chen (State Key Lab of Software Engineering, Wuhan University, P.R. China); Lin Ma (Wuhan University, P.R. China)
2	1570388437	iSense: Energy-Aware Crowd-Sensing Framework	Mohamed Abdelaal (University of Stuttgart, Germany); Mohammad Qaid (University of Stuttgart, Germany); Frank Dürr (University of Stuttgart, Germany); Kurt Rothermel (University of Stuttgart, Germany)
3	1570387649	Fault Tolerant Mechanism Design for Time Coverage in Crowdsensing System	Yangsuo Liu (Shanghai Jiao Tong University, P.R. China); Zhenzhe Zheng (Shanghai Jiao Tong University, P.R. China); Fan Wu (Shanghai Jiao Tong University, P.R. China); Xiaofeng Gao (Shanghai Jiao Tong University, P.R. China); Guihai Chen (Shanghai Jiao Tong University, P.R. China)

4	1570385107	Towards Cost-Effective and Budget-Balanced Task Allocation in Crowdsourcing Systems	Luoyao Hao (Shanghai Jiao Tong University, P.R. China); Chengming Jin (Shanghai Jiao Tong University, P.R. China); Xiaofeng Gao (Shanghai Jiao Tong University, P.R. China); Fan Wu (Shanghai Jiao Tong University, P.R. China); Guihai Chen (Shanghai Jiao Tong University, P.R. China)
5	1570388519	Approach to Detect Non-Adversarial Overlapping Collusion in Crowdsourcing	Georges A. Kamhoua (Florida International University, USA); Niki Pissinou; S.S. Iyengar (Florida International University, USA); Jonathan Beltran (Florida International University, USA); Jerry Miller (Florida International University; Applied Research Center (ARC), USA); Charles A. Kamhoua (US Army Research Laboratory; Network Science Division, USA); Laurent L. Njilla (Air Force Research Laboratory, USA)

Session 2.3, Internet Service and Ma Chair: Peipei Fu

1	1570378865	Analyzing and Optimizing BGP Stability in Future Space-Based Internet	Zengyin Yang (Tsinghua University, P.R. China); Hewu Li (Tsinghua University, P.R. China); Qian Wu (Tsinghua University, P.R. China); Jianping Wu (Tsinghua University, P.R. China)
2	1570387213	TCP WISE: One initial Congestion Window Is Not Enough	Xiaohui Nie (Tsinghua University, P.R. China); Youjian Zhao (Tsinghua University, P.R. China); Guo Chen (Microsoft Research Asia, P.R. China); Kaixin Sui (Tsinghua University, P.R. China); Yazheng Chen (Tsinghua University, P.R. China); Dan Pei (Tsinghua University, P.R. China); Miao Zhang (Baidu, P.R. China); Jiyang Zhang (Baidu, P.R. China)
3	1570394708	Scalability Comparison of SDN Control Plane Architectures Based on Simulations	Hemin Yang (Georgia Institute of Technology, USA); Jared Ivey (Georgia Institute of Technology, USA); George F. Riley (Georgia Institute of Technology, USA)
4	1570386996	Anonymous and Analysable Web Browsing	Tran Phuong Thao (KDDI Research, Inc., Japan); Adetokunbo Makanju (KDDI Research, Inc., Japan); Ayumu Kubota (KDDI Research, Inc., Japan)

5	1570388708	Metric Learning With Statistical Features For Network Traffic Classification	Ziqing Zhang (University of Chinese Academy of Sciences, P.R. China); Cuicui Kang (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Peipei Fu (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Zigang Cao (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Zhen Li (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Gang Xiong (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China)
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Session 2.4, Performance and Model Chair: Fatih Berber

1	1570388530	Performance Enhancement of a Computational Persistent Homology Package	Alan Hylton (NASA, USA); Greg Henselman-Petrusek (University of Pennsylvania, USA); Janche Sang (Cleveland State University, USA); Robert Short (Lehigh University, USA)
2	1570387299	Response Time Speedup of Multi-Tier Internet Systems	Fatih Berber (GWDG, Germany); Ramin Yahyapour (GWDG - University Göttingen, Germany)
3	1570387197	QoE-Aware Optimization for SVC-Based Adaptive Streaming in D2D Communications	Luoyao Hao(Shanghai Jiao Tong University, P.R. China); Chengming Jin(Shanghai Jiao Tong University, P.R. China); Xiaofeng Gao(Shanghai Jiao Tong University, P.R. China); Linghe Kong(Shanghai Jiao Tong University, P.R. China); Fan Wu(Shanghai Jiao Tong University, P.R. China); Guihai Chen(Shanghai Jiao Tong University, P.R. China)
4	1570388548	A Hierarchical-Learning-based Crowdedness Estimation Mechanism for Crowdsensing Buses	Xiaoguang Niu (Wuhan University, P.R. China); Zhen Wang (Wuhan University, P.R. China); Qiongzan Ye (Wuhan University, P.R. China); Yihao Zhang (Wuhan University, P.R. China); Jiawei Wang (Wuhan University, P.R. China)

Session 2.5, Many-core and Heterog Chair: Ying Mao

1	1570383077	Improving 3D Lattice Boltzmann Method stencil with asynchronous transfers on many-core processors	Minh Quan Ho (University Grenoble Alpes; Kalray SA, France); Christian Obrecht (National Institute for Applied Sciences of Lyon (INSA-Lyon), France); Bernard Tourancheau (University Grenoble Alpes, France); Benoit Dupont de Dinechin (Kalray, France); Julien Hascoet (Kalray, France)
2	1570385351	Laro: Lazy Repartitioning for Graph Workloads on Heterogeneous Clusters	Feng Sheng (Huazhong University of Science and Technology, P.R. China); Qiang Cao (Huazhong University of Science and Technology, P.R. China); Haoran Cai (Huazhong University of Science and Technology, P.R. China); Jie Yao (Huazhong University of Science and Technology, P.R. China); Changsheng Xie (Huazhong University of Science and Technology, P.R. China)
3	1570389108	DRAPS: Dynamic and Resource-Aware Placement Scheme for Docker Containers in a Heterogeneous Cluster	Ying Mao (The College of New Jersey, USA); Jenna Oak (The College of New Jersey, USA); Anthony Pompili (The College of New Jersey, USA); Daniel Beer (The College of New Jersey, USA); Tao Han (University of North Carolina at Charlotte, USA); Peizhao Hu (Rochester Institute of Technology, USA)
4	1570388439	Mitigate Data Skew Caused Stragglers through ImKP Partition in MapReduce	Xue Ouyang (University of Leeds, United Kingdom (Great Britain)); Huan Zhou National University of Defense Technology, P.R. China); Stephen Clement (University of Leeds, United Kingdom (Great Britain)); Paul Townend (University of Leeds, United Kingdom (Great Britain)); Jie Xu (University of Leeds, United Kingdom (Great Britain))
5	1570387064	Efficient Tamper-Evident logging of Distributed Systems via Concurrent Authenticated Tree	Fangxiao Ning (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Yu Wen (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Gang Shi (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Dan Meng (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China)

Session 2.6, IoT and Smart Grids

Chair: Alan Hylton

1	1570388149	Towards a Holistic and Optimized Framework for Smart Grid Regulation	JunJie Wang (University of Science and Technology of China, P.R. China); Jinyang Li (University of Science and Technology of China, P.R. China); Tianshu Pang (University of Science and Technology of China, P.R. China); Xiaoshan Sun (University of Science and Technology of China, P.R. China); Qi Liu (University of Science and Technology of China, P.R. China); Hengchang Liu (University of Science and Technology of China, P.R. China)
2	1570388262	IHB:A Scalable and Efficient Scheme to Identify Homologous Binaries in IoT Firmwares	Yu Chen (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Hong Li (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Weiwei Zhao (School of Information Science & Engineering, Lanzhou University, P.R. China); Lin Zhang (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Zhongjin Liu (National Computer Network Emergency Response Technical Team/Coordination Center of China, P.R. China); Zhiqiang Shi (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China)
3	1570388325	Auto-identification of Background Traffic Based on Autonomous Periodic Interaction	Chang Liu (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Lingwu Zeng (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Junzheng Shi (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Fei Xu (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Gang Xiong (Institute of Information Engineering, Chinese Academy of Sciences, P.R. China); Siu Ming Yiu (The University of Hong Kong, Hong Kong)
4	1570392975	An Energy-aware Collaborative Multi-agent System for Autonomous Underwater Vehicles	Luis Felipe Zapata-Rivera (Florida Atlantic University, USA); Catalina Aranzazu-Suescun (Florida Atlantic University, USA); Imadeldin Mahgoub (Florida Atlantic University, USA)

5	1570394311	A Strategy-proof Privacy-preserving Double Auction Mechanism for Electrical Vehicles Demand Response in Microgrids	Donghe Li (Xi'an Jiaotong University, P.R. China); Qingyu Yang (Xi'an Jiaotong University, P.R. China); Wei Yu (Towson University, USA); Dou An (Xi'an Jiaotong University, P.R. China); Xinyu Yang (Xi'an Jiaotong University, P.R. China); Wei Zhao (University of Macau, P.R. China)
Poster			
Poster01	1570385287	Profit Maximization Resource Allocation in Cloud Computing with Performance Guarantee	Meixuan Li (Soochow University, P.R. China); Yu-e Sun (Soochow University, P.R. China); He Huang (Soochow University, P.R. China); Jing Yuan (University of Texas at Dallas, USA); Yang Du (University of Science and Technology of China, P.R. China); Yu Bao (University of Science and Technology of China, P.R. China); Yonglong Luo (Anhui Normal University, P.R. China)
Poster02	1570387369	Reducing Idle Listening Time in 802.11 via NDN	Fan Wu (Central South University, P.R. China); Wang Yang (Central South University, P.R. China); Qingshan Guo (Central South University, P.R. China); Xinfang Xie (Central South University, P.R. China)
Poster03	1570393682	Fault -tolerant 3D Mesh for Network-on-Chip	Khaleda Papry (Bangladesh University of Engineering and Technology, Bangladesh); A. B. M. Alim Al Islam (Bangladesh University of Engineering and Technology, Bangladesh)
Poster04	1570394772	Motif: A Social Reading Platform that Helps People Filter, Memorize, and Organize Online Contents	Yu Tian (California State University San Marcos, USA); Xin Ye (California State University San Marcos, USA)

Poster05	1570398208	An Update-Overhead-Aware Caching Policy for Write-Optimized File Systems on SMR Disks	Shuo-Han Chen (National Tsing Hua University, Taiwan); Wei-Shin Li (National Tsing Hua University, Taiwan); Min-Hong Shen (National Tsing Hua University, Taiwan); Yi-Han Lien (National Tsing Hua University, Taiwan); Tseng-Yi Chen (Academia Sinica, Taiwan); Tsan-sheng Hsu (Academia Sinica, Taipei, Taiwan); Hsin-Wen Wei (Tamkang University, Taiwan); Wei-Kuan Shih (National Tsing Hua University, Taiwan)
Poster06	1570398453	Two-Level Decomposition for Multi-Commodity Multicast Traffic Engineering	Jianwei Zhang (Shandong Computer Science Center (National Supercomputer Center in Jinan), P.R. China); Xinchang Zhang (Shandong Computer Science Center (National Supercomputer Center in Jinan), P.R. China); Meng Sun (Shandong Computer Science Center (National Supercomputer Center in Jinan), P.R. China)
Poster07	1570398471	Bandwidth Preemption for Data Transfer Request with Higher	Liudong Zuo (California State University, Dominguez Hills, USA)
Poster08	1570401862	Secure the Internet of Things with Challenge Response Authentication in Fog Computing	Salem Alharbi (California State University, USA); Peter Rodriguez (California State University, USA); Rajaputhri Maharaja (California State University, USA); Prashant Iyer (California State University, USA); Nivethitha Bose (California State University, USA); Zilong Ye (California State University, USA)
Poster09	1570388143	Balancing Interdependent Networks: Theory and Algorithm	Zheng Liu (Tsinghua University, P.R. China); Qing Li (Graduate School at Shenzhen, Tsinghua University, P.R. China); Dan Wang (The Hong Kong Polytechnic University, Hong Kong); Mingwei Xu (Tsinghua University, P.R. China)

Poster10	1570387964	Many-Objective Performance Enhancement in Computing Clusters	A s m Rizvi (University of Southern California, USA); Tarik Reza Toha (Bangladesh University of Engineering and Technology, Bangladesh); Siddhartha Shankar Das (Bangladesh University of Engineering and Technology, Bangladesh); Sriram Chellappan (University of South Florida, USA); A. B. M. Alim Al Islam (Bangladesh University of Engineering and Technology, Bangladesh)
Poster11	1570394395	Unsupervised Machine Learning in 5G Networks for Low Latency Communications	Eren Balevi (University of South Florida, USA); Richard D. Gitlin (University of South Florida, USA)
Poster12	1570387173	Enhancing SSDs with Multi-Stream: What? Why? How?	Janki Bhimani (Northeastern University & Samsung Semiconductors, USA); Jingpei Yang (Samsung Semiconductor, USA); Zhengyu Yang (Northeastern University, USA); Ningfang Mi (Northeastern University, USA); N. H. V. Krishna Giri (Samsung Semiconductors, USA); Rajinikanth Pandurangan (Samsung, USA); Changho Choi (Samsung Semiconductors, USA); Vijay Balakrishnan (Samsung, USA)
Poster13	1570388774	Probabilistic Monte Carlo Simulations for Static Branch Prediction	Bhargava Kalla (Arizona State University, USA); Nandakishore Santhi (Los Alamos National Laboratory, USA); Abdel-Hameed A Badawy (New Mexico State University, USA); Gopinath Chennupati (Los Alamos National Laboratory, USA); Stephan Eidenbenz (Los Alamos National Laboratory, USA)

**Workshop CPS
Session 3.1**

Chair: Baiyu Chen

1	1570404814	An Efficient and Secure Scheme for Smart Home Communication Using Identity-Based Signcryption	Yosef Ashibani (University of Ontario Institute of Technology, Canada); Qusay Mahmoud (University of Ontario Institute of Technology, Canada)
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2	1570401831	Cyber-Physical System Enabled Nearby Traffic Flow Modelling for Autonomous Vehicles	Baiyu Chen (University of California Berkeley, USA); Zhengyu Yang (Northeastern University, USA); Siyu Huang(Ocean University of China, P.R. China); Xianzhi Du (University of Maryland, USA); Zhiwei Cui (Northwestern University, USA); Janki Bhimani (Northwestern University, USA); Ningfang Mi (Northwestern University, USA); Xin Xie (Northwestern University, USA)
3	1570403374	The VLSI Architecture of a Highly Efficient Configurable Pre-processor for MIMO Detections	Tzu-Ting Tseng (National Taiwan University of Science and Technology, Taiwan); Chung-An Shen (National Taiwan University of Science and Technology, Taiwan)
4	1570403561	Resource Consumption Analysis of Online Activity Recognition on Mobile Phones and Smartwatches	Muhammad Shoaib (University of Twente, the Netherlands); Ozlem Durmaz Incel (Galatasaray University, Istanbul/Turkey); Hans Scholten (University of Twente, the Netherlands); Paul Havinga (University of Twente, the Netherlands)
5	1570404215	Towards Truthful Auction for Big Data Trading	Dou An (Xi'an Jiaotong University, P.R. China); Qingyu Yang (Xi'an Jiaotong University, P.R. China); Wei Yu (Towson University, USA); Donghe Li (Xi'an Jiaotong University, P.R. China); Yang Zhang (Xi'an Jiaotong University, P.R. China); Wei Zhao (University of Macau, Macau, China)

Session 3.2

Chair: Achref Aloui

1	1570404438	Towards scalable and adaptable security monitoring	Peter Dorfinger (Salzburg Research Forschungsgesellschaft, Austria); Christof Brandauer (Salzburg Research Forschungsgesellschaft, Austria); Pedro Paiva (Instituto Tecnológico de Aeronáutica, Brasil)
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2	1570404615	Message Content Control for Distributed Map Sharing in Vehicular Safety Communications	S M Osman Gani (University of Central Florida, USA); Yaser P. Fallah (University of Central Florida, USA); Gaurav Bansal (TOYOTA InfoTechnology Center, USA); Takayuki Shimizu (TOYOTA InfoTechnology Center, USA)
3	1570405007	Biomedical Signal Transmission Using Human Body Communication	Fukuro Koshiji (Tokyo Polytechnic University, Janpa); Ryogo Urushidate (Tokyo Polytechnic University, Janpa); Kohji Koshiji (Tokyo University of Science, Janpa)
4	1570405088	Preserving Privacy in Distributed System (PPDS) Protocol: Security analysis	Achref Aloui (University of Paris VIII, France); Mounira Msahli (University of Paris-Saclay, France); Sihem Mesnager (University of Paris VIII, France); Stephane Bressan (National University of Singapore, Singapore); Talel Abdessalem (University of Paris-Saclay, France)
5	1570404425	Modeling for Performance and Security Balanced Trading Communication Systems in the Cloud	Aklilu D Tesfamicael (Queensland University of Technology, Australia); Vicky Liu (Queensland University of Technology, Australia); Ernest Foo (Queensland University of Technology, Australia); William Caelli (Queensland University of Technology, Australia)