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Tadashi Nakano (Osaka University, Japan); Jianwei Shuai (Xiamen University, P.R. China)

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 Sunday, April 10

 S1: Mobility Management

 **Theoretical Treatment of Sink Scheduling Problem in Wireless Sensor Networks**  
 Yu Gu (National Institute of Informatics, Japan); Yusheng Ji (National Institute of Informatics, Japan); Jie Li (University of Tsukuba, Japan); Baohua Zhao (, P.R. China)  
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 **A Patrolling Scheme in Wireless Sensor and Robot Networks**  
 Yanping Zhang (The University of Alabama, USA); Yang Xiao (The University of Alabama, USA)  
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 **HYMN to Improve the Scalability of Wireless Sensor Networks**  
 Ahmed E.A.A. Abdulla (Tohoku University, Japan); Hiroki Nishiyama (Tohoku University, Japan); Nirwan Ansari (NJIT, USA); Nei Kato (Tohoku University, Japan)  
 pp. 519-524

 **An Optimization-based Approach for Connecting Partitioned Mobile Sensor/Actuator Networks**  
 Mustafa Sir (University of Missouri, USA); Izzet Senturk (Southern Illinois University Carbondale, USA); Esra Sisikoglu (University of Missouri, USA); Kemal Akkaya (Southern Illinois University Carbondale, USA)  
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 Networking break

 S2: Localization, Data Communications and Data Collection

 **Combining Scalability and Resource Awareness in Wireless Sensor Network Localization**  
 Ralf Behnke (University of Rostock, Germany); Alexander Born (German Aerospace Center (DLR), Germany); Jakob Salzmann (University of Rostock, Germany); Dirk Timmermann (University of Rostock, Germany); Ralf Bill (Rostock University, Germany)  
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 **Diffusion Based Projection Method for Distributed Source Localization in Wireless Sensor Networks**  
 Wei Meng (Nanyang Technological University, Singapore); Wendong Xiao (Institute for Infocomm Research, Singapore); Lihua Xie (University of Nanyang Technological University, Singapore); Ashish Pandharipande (Philips Research Laboratories, The Netherlands)  
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 **Hierarchical Collision-free Addressing Protocol (HCAP) for Body Area Networks**  
 Samaneh Movassaghi (University of Technology, Sydney, Australia); Mehran Abolhasan (University of Technology Sydney, Australia); Justin Lipman (Intel R&D, P.R. China)  
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 **Proportionally Fair Rate Allocation in Regular Wireless Sensor Networks**  
 Sriram Narayanan (University of Cincinnati, USA); Jung Hyun Jun (University of Cincinnati, USA); Vaibhav Pandit (University of Cincinnati, USA); Dharma P Agrawal (University of Cincinnati, USA)  
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 **Reliable Broadcast Transmission in Wireless Networks Based on Network Coding**
Reliable Broadcast Transmission in Wireless Networks Based on Network Coding
Weiwei Fang (Beijing Jiaotong University, P.R. China); Feng Liu (Beijing Jiaotong University, P.R. China); Zhen Liu (Beijing Jiaotong University, P.R. China); Lei Shu (Osaka University, Japan); Shojiro Nishio (Osaka University, Japan)
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3 Vectors Game and Balance Multicast Architecture Algorithms for Sensor Grid
Qingfeng Fan (PRISM - Université de Versailles-Saint-Quentin, France); Qiongli Wu (Ecole Centrale Paris, France); Naixue Xiong (Georgia State University, US, USA); Athanasios Vasilakos (National Technical University of Athens, Greece); Yanxiang He (School of computer science, Wuhan University, Wuhan, P.R. China)
pp. 560-565

Average Delay Analysis of Opportunistic Single Copy Delivery in Manhattan Area Using Biased Random Walk
Jung Hyun Jun (University of Cincinnati, USA); Weihuang Fu (University of Cincinnati, USA); Dharma P Agrawal (University of Cincinnati, USA)
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Reducing Data Collection Latency in Wireless Sensor Networks with Mobile Elements
Liang He (University of Victoria, Canada); Jianping Pan (University of Victoria, Canada); Jingdong Xu (Nankai Univ, P.R. China)
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Spatial Correlated Data Collection in Wireless Sensor Networks with Multiple Sinks
Bin Cheng (Shanghai Jiao Tong University, P.R. China); Zhezhuang Xu (Shanghai Jiao Tong University, P.R. China); Cailian Chen (Shanghai Jiao Tong University, P.R. China); Xinping Guan (Shanghai Jiao Tong University, P.R. China)
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Energy-efficient Trust-based Aggregation in Wireless Sensor Networks
Zahra Taghikhaki (Twente University, The Netherlands); Nirvana Meratnia (University of Twente, The Netherlands); Paul Havinga (University of Twente, The Netherlands)
pp. 584-589

Energy-efficient Data Preservation in Intermittently Connected Sensor Networks
Masaaki Takahashi (Wichita State University, USA); Bin Tang (Wichita State University, USA); Neeraj Jaggi (Wichita State University, USA)
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# Committees

**Friday, April 15**

**CC0: Invited Talk: Enterprise Ready Cloud Computing with Applications to Disaster Recovery**

**CC1: Data Center Networks**

**Use of Devolved Controllers in Data Center Networks**
Adrian Tam (Polytechnic Institute of NYU, USA); Kang Xi (Polytechnic Institute of New York University, USA); H. Jonathan Chao (Polytechnic Institute of New York University, USA)
pp. 596-601

**A Novel Approach to Optically Switching Inter-Pod Traffic in Datacenters**
Li-Mei Peng (Korea Advanced Institute of Science and Technology, Korea); Chunming Qiao (State University of New York at Buffalo, USA); Wan Tang (South-Central University for Nationalities, P.R. China); Chan-Hyun Yoon (Korea Advanced Institute of Science and Technology, Korea); Xinwan Li (Shanghai Jiao Tong University, P.R. China); Guiling Wu (Shanghai Jiaotong University, P.R. China); Jianping Chen (Shanghai Jiao Tong University, P.R. China); Ting Wang (NEC Laboratories America, USA)
pp. 602-607

**Enabling Flow-based Routing Control in Data Center Networks using Probe and ECMP**
Kang Xi (Polytechnic Institute of New York University, USA); Yulei Liu (Polytechnic Institute of New York University, USA); H. Jonathan Chao (Polytechnic Institute of New York University, USA)
pp. 608-613

**CC2: Secure Data Storage**

**Secure Data Processing Framework for Mobile Cloud Computing**
Dijiang Huang (Arizona State University, USA); Zhibin Zhou (Arizona State University, USA); Le Xu (Arizona State University, USA); Tianyi Xing (Arizona State University, USA); Yunji Zhong (Arizona State University, USA)
pp. 614-618

**A Secured Cost-effective Multi-Cloud Storage in Cloud Computing**
Yashaswi Singh (NDSU, USA); Farah Kandah (North Dakota State University, USA); Weiyi Zhang (AT&T Labs - Research, USA)
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**Deliverance from Trust through a Redundant Array of Independent Net-storages in Cloud Computing**
Gansen Zhao (South China Normal University, P.R. China); Martin G. Jaatun (SINTEF, Norway); Athanasios Vasilakos (National Technical University of Athens, Greece); Asmund Nyre (SINTEF ICT, Norway); Stian Alapnes (Telenor R&I, Norway); Qiang Yue (GDEII, P.R. China); Yong Tang (South China Normal University, P.R. China)
pp. 625-630

**CC3: Virtualization and Middleware**

**Egalitarian Stable Matching for VM Migration in Cloud Computing**
Hong Xu (University of Toronto, Canada); Baochun Li (University of Toronto, Canada)
pp. 631-636
Exploiting Virtualization for Delivering Cloud-based IPTV Services
Vaneet Aggarwal (AT&T Labs - Research, USA); Xu Chen (AT&T Labs - Research, USA); Vijay Gopalakrishnan (AT&T Labs - Research, USA); Rittwik Jana (AT&T Labs Research, USA); K. K. Ramakrishnan (AT&T Labs - Research, USA); Vinay A. Vaishampayan (AT&T Labs - Research, USA)
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AVMM: Virtualize Network Client with a Bare-metal and Asymmetric Partitioning Approach
Yuezhi Zhou (Tsinghua University, P.R. China); Yaoxue Zhang (Tsinghua University, P.R. China); Hao Liu (Tsinghua University, P.R. China); Naixue Xiong (Georgia State University, US, USA)
pp. 642-647

CC4: Cloud-based Applications and Services

Performance Optimization for Cyber Foraging Network via Dynamic Spectrum Allocation
Yang Cao (Huazhong University of Science and Technology, P.R. China); Yang Shiyong (Huazhong University of Science and Technology, P.R. China); Tao Jiang (Huazhong University of Science and Technology, P.R. China); Daiming Qu (Huazhong University of Science and Technology, Wuhan, Hubei, P.R. China)
pp. 648-653

Time-Critical Event Dissemination in Geographically Distributed Clouds
Chi-Jen Wu (National Taiwan University, Taiwan); Jan-Ming Ho (Academia Sinica, Taiwan); Ming-Syan Chen (National Taiwan University, Taiwan)
pp. 654-659

Low-cost Application Image Distribution on Worldwide Cloud Front Server
Yang Liu (North Dakota State University, USA); Shi Bai (North Dakota State University, USA); Weiyi Zhang (AT&T Labs - Research, USA); Jun Zhang (North Dakota State University, USA)
pp. 660-665

Cloud Model for Service Selection
Shangguang Wang (Beijing University of Posts and Telecommunications, P.R. China); Zibin Zheng (The Chinese University of Hong Kong, Hong Kong); Qibo Sun (Beijing University of Posts and Telecommunications, P.R. China); Hua Zou (Beijing University of Posts and Telecommunications, P.R. China); FangChun Yang (Beijing University of Posts & Telecommunications, P.R. China)
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Cooperative Spectrum Sensing in TV White Spaces: When Cognitive Radio Meets Cloud
Chun-Hsien Ko (National Chiao Tung University, Taiwan); Din Hwa Huang (National Chiao Tung University, Taiwan); Sau-Hsuan Wu (National Chiao Tung University, Taiwan)
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Welcome and Opening Remarks

TS01: Vehicle Transportation Systems and Social Networks

**Routing Schemes for Switch-based In-Vehicle Networks**
Shuhui Yang (Purdue University Calumet, USA); Wei Li (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); Zhiwei Xu (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); Wei Zhao (University of Macau, P.R. China)
pp. 678-683

**Human Centric Data Fusion in Vehicular Cyber-Physical Systems**
Aditya Wagh (State University of New York at Buffalo, USA); Xu Li (State University of New York at Buffalo, USA); Jingyan Wan (University at Buffalo, USA); Chuming Qiao (State University of New York at Buffalo, USA); Changxu Wu (University at Buffalo, USA)
pp. 684-689

**A Reservation-based Smart Parking System**
Hongwei Wang (University of Nebraska-Lincoln, USA); Wenbo He (University of Nebraska-Lincoln, USA)
pp. 690-695

**D-Card: A Distributed Mobile Phone Based System for Relaying Verified Friendships**
Adam C. Champion (The Ohio State University, USA); Boying Zhang (The Ohio State University, USA); Jin Teng (The Ohio State University, USA); Zhimin Yang (Microsoft, USA)
pp. 696-701

**Predicting Flu Trends using Twitter Data**
Harshavardhan Achrekar (University of Massachusetts Lowell, USA); Avinash Gandhe (Scientific Systems Company Inc, USA); Ross Lazarus (Harvard Medical School, USA); Ssu-Hsin Yu (Scientific Systems Company Inc, USA); Benyuan Liu (University of Massachusetts Lowell, USA)
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Coffee Break

Panel: Networking Aspects of CPS: Problems and Challenges

TS02: Security

**A Game Theoretic Study of Attack and Defense in Cyber-Physical Systems**
Chris Yu Tak Ma (Advanced Digital Sciences Center, Illinois at Singapore, Singapore); Nageswara Rao (Oak Ridge National Laboratory, USA); David K. Y. K. Yau (Purdue University, USA)
pp. 708-713

**On Secure and Resilient Telesurgery Communications over Unreliable Networks**
Mehmet Tozal (University of Texas at Dallas, USA); Yongge Wang (University of North Carolina at Charlotte, USA); Ehab Al-Shaer (University of North Carolina Charlotte, USA); Kamil Sarac (University of Texas at Dallas, USA); Bhavani Thuraisingham (University of Texas at Dallas, USA); Bei-Tseng Chu (UNC Charlotte, USA)
pp. 714-719

**Using Physiological Signals for Authentication in a Group Key Agreement Protocol**
Using Physiological Signals for Authentication in a Group Key Agreement Protocol
Kalvinder Singh (Australia Development Lab, IBM and Griffith University, Australia); Vallipuram Muthukumarasamy (Griffith University, Australia) pp. 720-725

Lunch

TS03: Sensor Networking

Xiuchao Wu (University College Cork, Ireland); Kenneth N Brown (University College Cork, Ireland); Cormac J. Sreenan (University College Cork, Ireland) pp. 726-731

A Cyber Physical Networking System for Monitoring and Cleaning up Blue-green Algae Blooms with Agile Sensor and Actuator Control Mechanism on Lake Tai
Dong Li (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); Ze Zhao (Institute of Computing Technology, Chinese Academy of Science, P.R. China); Li Cui (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); He Zhu (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); Le Zhang (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); Zhaoliang Zhang (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); Yi Wang (the Institute of Computing Technology, P.R. China) pp. 732-737

Building Surface Mounted Wireless Sensor Network for Air Conditioner Energy Auditing
Peng Liu (Hangzhou Dianzi University, P.R. China); Song Zhang (Hangzhou Dianzi University, P.R. China); Jian Qiu (Hangzhou Dianzi University, P.R. China); Guojun Dai (Hangzhou Dianzi University, P.R. China) pp. 738-743

Intelligent Wakening Scheme for Wireless Sensor Networks Surveillance
Rui Wang (Institute of Computing Technology of the Chinese Academy of Sciences, P.R. China); Lei Zhang (Institute of Computing Technology, Chinese Academy of Science, P.R. China); Li Cui (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China) pp. 744-749

Battle Event Detection Using Sensor Networks and Distributed Query Processing
Mira Yun (The George Washington University, USA); Danielle Bragg (The George Washington University, USA); Amrinder Arora (The George Washington University, USA); Hyeong-Ah Choi (The George Washington University, USA) pp. 750-755

Networking Break

TS04: Resource Management

Analysis and Experiments for Dual-Rate Beacon Scheduling in ZigBee/IEEE 802.15.4
Shantao Chen (Zhejiang University, P.R. China); Luis Almeida (Univerdidade do Porto, Portugal); Zhi Wang (Zhejiang University, P.R. China) pp. 756-761

Scheduling and Control Co-Design under End-to-End Response Time Constraints in Cyber-Physical Systems
Kyung-Joon Park (DGIST, Korea); Man-Ki Yoon (University of Illinois at Urbana-Champaign, USA); Kyungtae Kang (Hanyang University, Korea); Chang-Gun Lee (Seoul National University, Korea) pp. 762-767
**Distributed Sampling Rate Adaptation for Networked Control Systems**
Jia Bai (Vanderbilt University, USA); Emeka Eyisi (Vanderbilt University, USA); Yuan Xue (Vanderbilt University, USA); Xenofon Koutsoukos (Vanderbilt University, USA)
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**On Data Transmission Scheduling considering Switching Penalty in Mobile Sensor Networks**
Yu Zhou (The George Washington University, USA); Danielle Bragg (The George Washington University, USA); Mira Yun (The George Washington University, USA); Hyeong-Ah Choi (The George Washington University, USA)
pp. 774-779

**A Large-scale Field Study on 3G Wireless Network**
Jingwen Liu (Dept. of Computer Science & Engineering, The Ohio State University, USA); Jin Teng (The Ohio State University, USA); Weidong Wang (Beijing University of Posts and Telecommunications, P.R. China); Yinghai Zhang (Beijing University of Posts and Telecommunications, P.R. China)
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S1: Network Architecture

Toward a Push-Scalable Global Internet
Sachin Kumar Agarwal (Deutsche Telekom AG, Laboratories, Germany)
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Reducing DNS caching
Saleem N Bhatti (University of St Andrews, United Kingdom); Randall Atkinson (None--Independent, USA)
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CombiHeader: Minimizing the Number of Shim Headers in Redundancy Elimination Systems
Sumanta Saha (Aalto University, Finland); Andrey Lukyanenko (Aalto University, Finland); Antti Ylä-Jääski (Helsinki University of Technology, Finland)
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S2: Applications

Low-Rate, Flow-Level Periodicity Detection
Genevieve Bartlett (University of Southern California, USA); John Heidemann (University of Southern California, USA); Christos Papadopoulos (Colorado State University, USA)
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Augment SCTP Multi-Streaming with Pluggable Scheduling
Yaogong Wang (North Carolina State University, USA); Injong Rhee (North Carolina State University, USA); Sangtae Ha (Princeton University, USA)
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Stir: Spontaneous Social Peer-to-Peer Streaming
Anh Tuan Nguyen (University of Oslo, Norway); Baochun Li (University of Toronto, Canada); Michael Welzl (University of Oslo, Norway); Frank Eliassen (University of Oslo, Norway)
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S3: Security and Reachability

Improving the Performance of Intrusion Detection using Dialog-based Payload Aggregation
Tobias Limmer (University of Erlangen, Germany); Falko Dressler (University of Innsbruck, Austria)
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Fast and Scalable Method for Resolving Anomalies in Firewall Policies
Hassan Gobjuka (Verizon Labs, USA); Kamal Ahmat (City University of New York, USA)
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IP Reachability Differences: Myths and Realities
He Yan (Colorado State University, USA); Benjamin Say (Colorado State University, USA); Brendan Sheridan (Colorado State University, USA); David Oko (Colorado State University, USA); Christos Papadopoulos (Colorado State University, USA); Dan Pei (AT&T Labs - Research, USA); Daniel Massey (Colorado State University, USA)
**Stabilizing BGP Routing without Harming Convergence**
Xiaoqiang Wang (National University of Defense Technology, P.R. China); Olivier Bonaventure (Université catholique de Louvain, Belgium); Peidong Zhu (NUDT, P.R. China)
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**Understanding BGP Next-hop Diversity**
Jaeyoung Choi (Seoul National University, Korea); Jong Han Park (University of California, Los Angeles, USA); Pei-chun Cheng (UCLA, USA); Dorian Kim (NTT Communications Inc., USA); Lixia Zhang (University of California at Los Angeles, USA)
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**Compact Routing on the Internet AS-Graph**
Stephen D. Strowes (University of Glasgow, United Kingdom); Graham Mooney (Cisco Systems Ltd, United Kingdom); Colin Perkins (University of Glasgow, United Kingdom)
pp. 852-857

**Minimum Disclosure Routing for Network Virtualization**
Masaki Fukushima (KDDI R&D Laboratories Inc., Japan); Teruyuki Hasegawa (KDDI R&D Laboratories Inc., Japan); Toru Hasegawa (KDDI Labs., Japan); Akihiro Nakao (University of Tokyo, Japan)
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Thursday, April 14

WS11: Keynote Talk 1: Prof. Don Towsley, University of Massachusetts, Amherst, MA, USA

WS11: NetSciCom Session 1

**k-Robust Network Design Using Resistance Distance: Case of RocketFuel and Power Grids**
Ali Tizghadam (University of Toronto, Canada); Alireza Bigdeli (University of Toronto, Canada); Alberto Leon-Garcia (University of Toronto, Canada)
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WS11: Coffee Break

WS11: NetSciCom Session 2

**Beyond Graphs: Capturing Groups in Networks**
Ram Ramanathan (BBN Technologies, USA); Amotz Bar-Noy (Brooklyn College & Graduate Center, CUNY, New York, USA); Prithwish Basu (BBN Technologies, USA); Matthew P Johnson (City University of New York, USA); Wei Ren (University of California, Davis, USA); Ananthram Swami (Army Research Lab., USA); Qing Zhao (University of California at Davis, USA)
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**A Complex Network Analysis of Human Mobility**
Theus Hossmann (ETH Zurich, Switzerland); Thrasyvoulos Spyropoulos (EURECOM, France); Franck Legendre (ETH Zürich, Switzerland)
pp. 876-881

**On the Impact of Graph Structure on Mobility in Opportunistic Mobile Networks**
Christoph P. Mayer (Karlsruhe Institute of Technology (KIT), Germany); Oliver P. Waldhorst (Ilmenau University of Technology, Germany)
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**Optimizing Topology in Bit Torrent Based Networks**
Joydeep Chandra (Indian Institute of Technology, India); Sascha Delitzscher (Bielefeld University, Germany); Niloy Ganguly (Indian Institute of Technology Kharagpur, India); Ashish Jhunjunwala (Indian Institute of Technology, Kharagpur, India); Tyll Krueger (Bielefeld University, Germany); Naveen Kumar Sharma (Indian Institute of Technology, Kharagpur, India)
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**A Temporal View of The Topology of Dynamic Bittorrent Swarms**
Mohamad Dikshie Fauzie (Keio University, Japan); Achmad Husni Thamrin (Keio University, Japan); Rodney Van Meter (Keio University, Japan); Jun Murai (KEIO University, Japan)
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WS11: Lunch

WS11: Keynote Talk 2: Prof. Ariel Orda, Technion, Technion City, Haifa, Israel

WS11: NetSciCom Session 3
Non-Binary Information Propagation: Modeling BGP Routing Churn
Nicholas Valler (University of California, Riverside, USA); Michael Butkiewicz (University of California, Riverside, USA); B. Aditya Prakash (Carnegie Mellon University, USA); Michalis Faloutsos (University of California, Riverside, USA); Christos Faloutsos (Carnegie Mellon University, USA)
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A Generalized Prediction Framework for Granger Causality
Christopher Quinn (University of Illinois at Urbana-Champaign, USA); Todd P Coleman (University of California, San Diego, USA); Negar Kiyavash (University of Illinois at Urbana-Champaign, USA)
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WS11: Invited Talk: Brendan Madden, Tom Sawyer Software, Oakland, CA, USA

WS11: NetSciCom Session 4

ISCoDe: a framework for interest similarity-based community detection in social networks
Eva Jaho (National & Kapodistrian University of Athens, Greece); Merkourios Karaliopoulos (National and Kapodistrian University of Athens, Greece); Ioannis Stavrakakis (National and Kapodistrian University of Athens, Greece)
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Measuring User Activity on an Online Location-based Social Network
Salvatore Scellato (University of Cambridge, United Kingdom); Cecilia Mascolo (University of Cambridge, United Kingdom)
pp. 918-923

Empirical Analysis of the Evolution of Follower Network: A Case Study on Douban
Junzhou Zhao (Xi'an Jiaotong University, P.R. China); John Chi Shing Lui (Chinese University of Hong Kong, Hong Kong); Don Towsley (University of Massachusetts at Amherst, USA); Xiaohong Guan (Xi'an Jiaotong University, P.R. China); Yadong Zhou (Xian Jiaotong University, P.R. China)
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On Allocating Interconnecting Links against Cascading Failures in Cyber-Physical Network
Osman Yagan (University of Maryland, USA); Dajun Qian (Arizona State University, USA); Junshan Zhang (Arizona State University, USA); Douglas Cochran (Arizona State University, USA)
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Link prediction in bipartite graphs using internal links and weighted projection
Oussama Allali (LIP6 - CNRS and UPMC, France); Clémence Magnien (CNRS, France); Matthieu Latapy (LIP6 - CNRS and UPMC, France)
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The First International Workshop on Security in Computers, Networking and Communications

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Friday, April 15

**S1: System Security**

*Contextual Role-based Security Enhancement Mechanism for 2G-RFID Systems*
Wan Tang (South-Central University for Nationalities, P.R. China); Jin Ni (Henan University, P.R. China); Min Chen (Seoul National University, Korea); XiMin Yang (South-Central University for Nationalities, P.R. China)
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*Browsing Behavior Mimicking Attacks on Popular Web Sites for Large Botnets*
Shui Yu (Deakin University, Australia); Guofeng Zhao (Chonqing University of Posts and Telecommunications, P.R. China); Song Guo (University of Aizu, Japan); Yang Xiang (Deakin University, Australia); Athanasios Vasilakos (National Technical University of Athens, Greece)
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*Discriminating DDoS Attack Traffic from Flash Crowd through Packet Arrival Patterns*
Theerasak Thapngam (Deakin University, Australia); Shui Yu (Deakin University, Australia); Wanlei Zhou (Deakin University, Australia); Gleb Beliakov (Deakin University, Australia)
pp. 952-957

*EagleEye: A Logging Framework for Accountable Distributed and Networked Systems*
Nandhakumar Kathiresan (The University of Alabama, USA); Zhifeng Xiao (The University of Alabama, USA); Yang Xiao (The University of Alabama, USA)
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*Stepping Stone Detection at The Server Side*
Ruei-Min Lin (Academia Sinica, Taiwan); Yi-Chun Chou (National Taiwan University, Taiwan); Kuan-Ta Chen (Academia Sinica, Taiwan)
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*PEACE: An Efficient and Secure Patient-centric Access Control Scheme for eHealth Care System*
Mrinmoy Barua (University of Waterloo, Canada); Xiaohui Liang (University of Waterloo, Canada); Rongxing Lu (University of Waterloo, Canada); Sherman Shen (University of Waterloo, Canada)
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*L-WMxD: Lexical based Webmail XSS Discoverer*
Zhushou Tang (Shanghai Jiao Tong University, P.R. China); Haojin Zhu (Shanghai Jiao Tong University, P.R. China); Zhenfu Cao (Shanghai Jiao Tong University, P.R. China); Shuai Zhao (Shanghai Jiao Tong University, P.R. China)
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*How Resilient are Individual ASes against AS-Level Link Failures?*
Wenping Deng (National University of Defense Technology, P.R. China); Peidong Zhu (NUDT, P.R. China); Naixue Xiong (Georgia State University, US, USA); Yang Xiao (The University of Alabama, USA); Xiaofeng Hu (National University of Defense Technology, P.R. China)
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**S2: Security and Privacy**

*Concealing of the Sink Location in WSNs by Artificially Homogenizing Traffic Intensity*
Bidi Ying (University of Ottawa, Canada); Jose R. Gallardo (University of Ottawa, Canada);
A Three-Dimensional Approach Towards Measuring Sender Anonymity
Neeraj Jaggi (Wichita State University, USA); Umesh MarappaReddy (Wichita State University, USA); Rajiv Bagai (Wichita State University, USA)
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Improved IP Multimedia Subsystem Authentication Mechanism for 3G-WLAN Networks
Madhu J Sharma (University of British Columbia, Canada); Victor CM Leung (The University of British Columbia, Canada)
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Lightweight Privacy-Preserving Routing and Incentive Protocol for Hybrid Ad Hoc Wireless Network
Mohamed Mahmoud (University of Waterloo, Canada); Sherman Shen (University of Waterloo, Canada)
pp. 1006-1011

SANC: Source Authentication Using Network Coding
Ahmed Fathy (Nile University, Egypt); Tamer ElBatt (Nile University, Egypt); Moustafa Youssef (Egypt-Japan University of Science and Technology (E-JUST), Egypt)
pp. 1012-1017

Towards a Light-weight Message Authentication Mechanism Tailored for Smart Grid Communications
Mostafa M. Fouda (Tohoku University, Japan); Zubair Md. Fadlullah (Tohoku University, Japan); Nei Kato (Tohoku University, Japan); Rongxing Lu (University of Waterloo, Canada); Sherman Shen (University of Waterloo, Canada)
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S3: Secure Algorithm

A New Enforcement on Declassification with Reachability Analysis
Cong Sun (Peking University, P.R. China); Liyong Tang (Peking University, P.R. China); Zhong Chen (School of Electronics Engineering and Computer Science, Peking University, P.R. China)
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Speeding up Pattern Matching by Optimal Partial String Extraction
Tan Jianlong (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); Liu Xia (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); Liu Yanbing (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); Liu Ping (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China)
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Traffic-aware Top-N Firewall Approximation Algorithm
Ho-Yu Lam (Polytechnic Institute of New York University, USA); Donghan Wang (Carnegie Mellon University, USA); H. Jonathan Chao (Polytechnic Institute of New York University, USA)
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A Novel Data Streaming Method Detecting Superpoints
Weijiang Liu (Dalian Maritime University, P.R. China); Wenyu Qu (Dalian Maritime University, P.R. China); Gong Jian (Southeast University, P.R. China); Li Keqiu (Dalian University of Technology, P.R. China)
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Exclusion-Intersection Encryption
Sherman S. M. Chow (University of Waterloo, Canada); Siu Ming Yiu (The University of Hong Kong, Hong Kong)
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Identifying Bad Measurements in Compressive Sensing
S4: Trustable Service

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