Symposium Program

COMPUTER AND INFORMATION TECHNOLOGY [CIT]

Symposium Mario Gerla (UCLA)
Co-Chairs: TJ Taejin Kwon (Fasoo USA); Jihie Kim (KT)

August 7, Thursday
8:00 am – 9:40 am, Sand-pebble C, D Room

CIT-1 Session: Machine Learning
Chair: Chaeryung Park (Synopsys)

1. 8:00 AM (CIT-1) Detecting Barriers by Students in C and Java Courses, Young Lee, Sasikanth Dale, Jeong Yang (Texas A&M Univ.)
2. 8:15 AM (CIT-2) Introducing Parallelism in Undergraduate CS Courses, Jeho Park (Harvey Mudd College)
3. 8:30 AM (CIT-3) Learning Collaboration and Communication through Scrum Driven Project Based Courses, Sam Chung (So. Illinois Univ.)
4. 8:50 AM (CIT-4) Tactile Captions: Augmenting Visual Captions, Raja S. Kushalnagar, Vignesh Ramachandran and Tae Oh (Rochester Institute of Technology)
5. 9:05 AM (CIT-5) The Architecture of the Policy-Based Path Verification to Monitor Route Hijacking, Je-Kuk Yun, BeomSeok Hong, Yanggon Kim (Towson Univ.)
6. 9:20 AM (CIT-6) Virtual Humans over Mobile Video Chat Services, Sin-hwa Kang (USC)

August 7, Thursday
1:30 pm – 3:30 pm, Sand-pebble C, D Room

CIT-2 Session: Embedded Systems
Chair: Jeonghee Yi (Microsoft)

1. 1:30 PM (CIT-7) Open Data Policy in Korea, Jinhyung Kim (National Institute for Software Policy)
2. 1:50 PM (CIT-8) Applying CPS to Provide Smart Transportation, Myounggyu Won, Sang Hyuk Son (DGIST)
3. 2:10 PM (CIT-9) (invited) K-Hypervisor: An Opensource Hypervisor for Embedded Real-Time Systems, Sung Soo Im (Kookmin Univ.)
4. 2:30 PM (CIT-10) Platform-Dependent Timing Verification Approach in Model-Based Embedded Real-Time Software Development, BaekGyu Kim, Lu Feng, Linh T.X. Phan, Oleg Sokolsky, Insup Lee (Univ. of Pennsylvania)
5. 2:50 PM (CIT-11) Sensor Attack Detection in the Presence of Transient Faults, Junkil Park, Radoslav Ivanov, James Weimer, Insup Lee (Univ. of Pennsylvania)
6. 3:10 PM (CIT-12) (Invited Industrial) TBD
August 7, Thursday
4:00 pm – 6:00 pm, Sand-pebble C, D Room

CIT-3 Session: Management Science
Young Choi (Regend University)

1. 4:00 PM (CIT-13) Bridging Big Data and Bibliographic Databases via Library of Congress Subject Headings, Kwan Yi (Eastern Kentucky Univ.)
2. 4:20 PM (CIT-14) Persistent target tracking with Target Model Enhancement, Changsoo Jeong, Kyungnam Kim (HRL Lab.)
3. 4:40 PM (CIT-15) Qualitative Pose Estimation by Discriminative Deformable Part Models, Hyungtae Lee (US Army Research Lab.)
4. 5:00 PM (CIT-16) Scalable Context-driven Simulation of Human Activities in Smart Homes, Jae Woong Lee, Abdelsalam Helal (Univ. of Florida)
5. 5:20 PM (CIT-17) Scheduling Algorithm for Manufacturing Multiple Deteriorating Products, Edwin Kim, Joonyup Eun (Purdue Univ.)
6. 5:40 PM (CIT-18) Understanding Trader: A Dynamic Market Selection Model under Two Equivalent Fee-charging Policies, Jung-woo Sohn, Jens Grossklags, John Yen (Penn State Univ.)

August 8, Friday
8:00 am – 9:40 am, Sand-pebble C, D Room

CIT-3 Session: Web Technology
Hwajung Lee (Radford University)

1. 8:00 AM (CIT-19) Adaptation in Cloud Computing Services, Bongkyoung Kwon (Nokia Inc.)
2. 8:20 AM (CIT-20) An Analysis of Tweets on the Boston Marathon Bombing, Hyun-Woo Kim, Nick Lalone, Andrea Tapia (Penn State Univ.)
3. 8:40 AM (CIT-21) Automatic Organization of Requirements, ChongWoo Park (Georgia Gwinnett College), Dong-Gook Kim (Dalton State College)
4. 9:00 AM (CIT-22) Comparable Entity Mining from the Web, Myung-ha Jang, Jin-woo Park, Seung-won Hwang (POSTECH)
5. 9:20 AM (CIT-23) Reputation Mining, Jintae Lee (Univ. of Colorado)

August 8, Friday
1:30 pm – 3:30 am, Sand-pebble C, D Room

CIT-3 Session: Invited
Sung-Soo Lim (Kook Min University)

1. 1:30 PM (CIT-24) (Keynote) Internet of Vehicles: From Platooning to Autonomous Vehicles and Vehicular Clouds, Mario Gerla (UCLA)
2. 1:50 PM (CIT-25) (Keynote) Cyberspace – Exploration, Kilnam Chon (UCLA)
3. 2:10 PM (CIT-26) Location Privacy of Smartphone Users, Kang Shin (Univ. of Michigan)
4. 2:30 PM (CIT-27) TBD, Christos Kolias (Orange)
5. 2:50 PM (CIT-28) TBD, Cedric Westphal (UCSC)
6. 3:10 PM (CIT-29) Enterprise Digital Right Management (EDRM) for Inside Threats, TJ Taekjin Kwon (Fasoo USA)
August 9, Saturday
8:00 am – 9:40 am, Sand-pebble C, D Room
CIT-3 Session: Networked Systems
Yoohwan Kim (UNLV)

1. 8:00 AM (CIT-30) Characterization of RRC state machines of WCDMA/HSPA networks and QoS improvements in smartphone applications, Jaewan Jang, Ilhwan Kim, Kyoungwon Suh (Illinois State Univ.)
2. 8:15 AM (CIT-31) Edge Labeling Methods on the Binomial Trees, Yong Seok Kim (Univ. of Wisconsin Milwaukee)
3. 8:30 AM (CIT-32) Exploiting Consumer Privacy Information through Smart Meter Data, Khanh Nguyen, Nan Zhang, and Hyeong-Ah Choi (George Washington Univ.)
4. 8:45 AM (CIT-33) PlantSimLab: A simulated lab for biological network modeling for experimental plant biologists, Sook Ha (Reinhard Laubenbach)
5. 9:05 AM (CIT-34) Scalable Comparisons: Benchmarking Existing Tools for Distributed Systems Design, Jin Chung (eBay)
6. 9:25 AM (CIT-35) The Performance Impact of RTR-BIRD in Origin Validation using RPKI, Kyoungha Kim, Yanggon Kim (Towson Univ.)

August 9, Saturday
1:30 pm – 3:30 pm, Sand-pebble C, D Room
CIT-3 Session: System Security
Jungwoo Ryoo (PennState University)

1. 1:30 PM (CIT-36) An Integrative Hands-on Approach to Security Education, Santosh Desiraju, Chansu Yu (Cleveland State Univ.)
2. 1:50 PM (CIT-37) Implementing Resilient Mobile Base Station Cloud in Wireless Sensor Networks, Andrew K. Wilson, Hwajung Lee (Radford Univ.)
3. 2:10 PM (CIT-38) Mobile App Store Security: Evaluating Apple, Google, Blackberry, and Windows Store Measures, Young Choi (Regent Univ.)
4. 2:30 PM (CIT-39) The Growth of Voice Enabled Applications, Stephen Han (VoiceBox Technologies)
5. 2:50 PM (CIT-40) Threat Analysis of Smart Home Environment, Ilnam Jeong, Khanh Nguyen, KwangHee Choi, Hyeong-Ah Choi (George Washington Univ.)
6. 3:10 PM (CIT-41) Securing the Smart Homes: Protocols’ Challenges and Threats, Changmin Lee, Luca Zappaterra, Kwanghee Choi, Hyeong-Ah Choi (George Washington Univ.)

August 9, Saturday
4:00 pm – 6:00 pm, Sand-pebble C, D Room
CIT/EEC Session: Cyber Security (Joint Session with CIT Symposium)
Chair: Seong Gon Kong (Sejong Univ., Korea), Dongwook Lee (KITECH)

1. 4:00 PM (EEC-1) (Invited) Elastic Conductors from Nanoparticle Composites with Self-Organized Conductive Pathways, Yoonseob Kim and Matthew Di Prima (University of Michigan, Ann Arbor)
2. 4:20 PM (CIT-42) Information Systems Management in Government: Ongoing Issues and Approaches, Young Choi (Regent Univ.)
3. 4:40 PM (CIT-43) Software Architecture and Security, Jungwoo Ryoo (Penn State Univ.)
4. 5:20 PM (CIT-44) Application of NTRU Cryptographic Algorithm for SCADA security, Yoohwan Kim (UNLV)
5. 5:40 PM (CIT-45) A Resource-Efficient Algorithm for Processing Streaming Data in Internet of Things Applications, Changmin Lee, Luca Zappaterra, Kwanghee Choi, Hyeong-Ah Choi (George Washington Univ.)