

15th KOCSEA Technical Symposium Program
(last updated on 12/5/2014)

2014 KOCSEA Program: Day 1, Thursday, December 11, 2014

Session	Time	Speaker (Affiliation): Talk title
Registration with Lunch	12:00 - 1:15	
Opening remarks	1:15 - 1:25	<ul style="list-style-type: none"> • Minkyong Kim (IBM), General Co-Chair, KOCSEA President • Jeongkyu Lee (Univ of Bridgeport), General Co-Chair, KOCSEA Vice President
Tech 1: Security <i>Session chair:</i> Hanhee Song	1:25 - 2:45	<ul style="list-style-type: none"> • Young B. Choi (Regent Univ): Honeypot Security: How Can We Achieve the Best? • Kyu Hyung Lee (Univ of Georgia): Selective Logging for Accurate, Space Efficient Cyber Forensic Analysis • Jiyong Jang (IBM): FCCE: Highly Scalable Distributed Feature Collection and Correlation Engine for Low Latency Big Data Analytics • Jungwoo Ryoo (Penn State Univ): Architectural Analysis for Security (AAFS)
Lightning session I <i>Session chair:</i> Kyoungwon Suh	2:45 - 3:10	<ul style="list-style-type: none"> • Tae Oh (RIT) • Jung-woo Sohn (Penn State Univ, Altoona) • BaekGyu Kim (UPenn) • Kyung Hoon Kim (Texas A&M)
<i>Break</i>	3:10 - 3:30	
Tech 2: Special Topics I <i>Session chair:</i> Bong Jun Ko	3:30 - 4:50	<ul style="list-style-type: none"> • Jesung Kim (Mathworks): Large Scale Software Development: Taming Complexity of an Evolving System • Gi-Joon Nam (IBM): From EDA (Electronic Design Automation) to DA (Design Automation) : from Computer Science Perspective • Kyung Dong Ryu (LG Electronics): WebOS as a Platform • Kwangroh Park (Giga Korea Foundation): Introducing Giga Korea projects
Tech 3: Special Topics II <i>Session chair:</i> Dae-Kyoo Kim	4:50 - 5:50	<ul style="list-style-type: none"> • Huafeng Yu (Toyota InfoTechnology Center USA): Towards Model-Based Engineering for Next Generation Automotive Systems • Frank Lee (Drexel Univ): Hacking Buildings as a Platform for Teaching Programming to Kids • Seon Ho Kim (USC): Janus - Multi Source Event Detection and Collection System for Effective Surveillance of Criminal Activity
<i>Tour of Original Watson Jeopardy Machine</i>	5:50- 6:20	

Network Dinner 7:00PM - 9:00PM

2014 KOCSEA Program: Day 2, Friday, December 12, 2014

Session	Time	Speaker (Affiliation): Talk title
Registration	8:00 - 8:30	
Welcome Remarks	8:30 - 8:45	Giovanni Pacifici (IBM, Vice President, Cloud Platform and Services)
Keynote 1 <i>Session chair:</i> Minkyong Kim	8:45 - 9:30	Daniel M Dias (IBM, Director and DE, Cloud Innovation Technologies): Cloud 3.0: Industry Transformation on the Cloud
Tech 4: Safety and Data Analysis <i>Session chair:</i> Jungwoo Ryoo	9:30 - 10:30	<ul style="list-style-type: none"> Sam Chung (Southern Illinois Univ): Vulnerability and Architecture Analysis of an Identity and Access Management (IAM) Environment through Penetration Testing and Software Architecture Assessment Sungdeok Cha (Korea University): Software safety initiatives in Korea Bong Jun Ko (IBM): Detecting Rising Stars in Dynamic Graphs
Break	10:30 - 10:45	
Tech 5: Bioinformatics & AI <i>Session chair:</i> Dongchul Kim	10:45 - 11:45	<ul style="list-style-type: none"> Junghun Oh (Memorial Sloan-Kettering Cancer Ctr): Role of radiomics and radiogenomics in cancer research Youngja Park (IBM): Estimating Asset Sensitivity by Profiling Users Yoonsuck Choe (Texas A&M): Natural and Synthetic Connectomics: Investigating Evolved Neural Circuits
Lunch and Poster Review	11:45 - 1:00	Scholarship Finalists <ul style="list-style-type: none"> Kyungsik Han (Penn State Univ) Hyunggu Jung (Univ of Washington) Mingon Kang (UT Arlington)
IBM ThinkLab Tour	1:00 - 2:00	
Keynote 2 <i>Session chair:</i> Yoonsuck Choe	2:00 - 2:45	Sang H. Son (DGIST, Korea): Smart Mobility: Applying Cyber Physical Systems to Transportation
Tech 6: Cyber Physical Systems and Smart Grids <i>Session chair:</i> Kyung Dong Ryu	2:45 - 3:45	<ul style="list-style-type: none"> Insup Lee (UPenn): Attack-Resilient Sensor Fusion for Cyber-Physical Systems Younghun Kim (IBM): Intelligent Energy Platform: A platform for developing advanced big-data analytics applications for the modern electric utility Dae-Kyoo Kim (Oakland Univ): A Metamodeling Approach for Unifying IEC 61850 and CIM to Support Smart Grids
Break	3:45 - 4:05	
Tech 7: Data Analytics <i>Session chair:</i> Byung Chul Tak	4:05 - 5:05	<ul style="list-style-type: none"> Swati Rallapalli (IBM): Enabling Physical Analytics in Retail Stores Using Smart Glasses Jin Soung Yoo (Indiana U-Purdue U Fort Wayne): Spatial Data Mining in the Era of Big Data Kyumin Lee (Utah State Univ): Who Will Retweet This? Automatically Identifying and Engaging Strangers on Twitter to Spread Information
Lightning session II <i>Session chair:</i> Kyoungwon Suh	5:05 - 5:25	<ul style="list-style-type: none"> Minkyong Kim (IBM) Bo Ryu (EpiSys Science, Inc.) Chul Sung (IBM) Junkil Park (UPenn)
KOCSEA Business Meeting	5:25 - 6:00	

Banquet 7:00 PM - 10:00 PM

- 1) Congratulatory remarks, 2) Sponsor Talks, 3) Scholarship Awards, 4) Best Presentation Awards