

KOCSEA Symposium 2007



December 14 – 15, 2007

USC, Los Angeles, CA

<http://www.kocsea.net/symposium07.html>

About KOCSEA and KOCSEA SYMPOSIUM

The Korean Computer Scientists and Engineers Association in America (**KOCSEA**), founded in 1983, is a non-profit organization of Korean American computer scientists and engineers in the United States. The purpose of KOCSEA is to promote communication, information exchange and cooperation among its members and to provide opportunities for them to make contributions to computer science and related fields in Korea and U.S.

KOCSEA consists of about 500 members at various stages in their career - from undergraduate and graduate students, to young professionals and assistant professors, to senior executives and professors. KOCSEA has organized annual workshops in Korea in cooperation with Korean Information Science Society (KISS) from 1990 to 1995 in various areas of information technologies, including software engineering, multimedia technology, end user computing technology, and network technology. Recently, KOCSEA members have been actively participating in various technical activities promoting collaboration between US and Korea such as organizing symposiums at UKC (US Korea Conference on Science, Technology, and Entrepreneurship) of KSEA (Korea-American Scientists and Engineers Association), serving on the project proposal review panels of KOSEF (Korea Science and Engineering Foundation), and producing research trend study reports sponsored by KOSEF and KSEA in the area of computer and communications.

The organizing committee is pleased to announce the KOCSEA (Korean Computer Scientists and Engineers Association in America) Technical Symposium 2007 to be held during December 14-15, 2007 at University of Southern California, Los Angeles, CA. The invited speakers of the symposium will comprise top Korean talents in Computer Science and Engineering, who are active in Academia and Industry in the US and Korea.

The 1.5 day symposium will provide a forum for presenting recent technical advances, exchanging innovative ideas, and fostering collaborations among participants creating new opportunities for collaborative research. The single-track symposium will comprise keynote speech, invited talks, panel discussions, and KOCSEA business meeting.

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Congratulatory Remarks

Dear Chancellor Steve Kang of UC Merced, President Jihie Kim of KOCSEA, Distinguished Scholars, Ladies and Gentlemen,

Although I am unable to attend KOCSEA Technical Symposium 2007 in person I would like to send my sincere and heartfelt congratulations and best wishes to all participants. In particular, I would like to acknowledge Prof. Jihie Kim and the organizing committee members for their tremendous time and efforts in organizing this symposium.

Ever since KOCSEA was established in 1983, KOCSEA has grown rapidly under the great leadership of the current and past presidents as well as strong supports and co-operations of KOCSEA members. As I mentioned in my talk at the UKC 2007 last August, KOCSEA members contributed a lot for the advancement of computer science and information technology both in the U.S.A. and in Korea. Many of them became top leaders in their respective areas.



I am sure that KOCSEA Technical Symposium 2007 will set another milestone in the development of KOCSEA and collaboration with Korea. Although the main purpose of a symposium is to share their new ideas and research accomplishments among the participants it is also important to make new friends and explore future collaborations. Human network is very important in this globalized society.

Before I close I would like to take this opportunity to express my sincere thanks to KOCSEA members for organizing a special session in honor of my retirement at the UKC 2007. It was the greatest moment in my whole life and I am so glad that I transformed myself from a chemical engineer to a computer scientist.

Congratulations once again and best wishes for a successful and fruitful symposium.

Sincerely Yours,

Chan-Mo Park
Former KOCSEA President
Ex-President, POSTECH

Message from General Symposium Chair

It is a pleasure to welcome you to the 8th KOCSEA Technical Symposium.

In the past, we had joint workshops with KISS (Korean Information Science Society) during 1990 – 1995, which were hosted in Korea. These workshops have contributed in culturing collaborations between the researchers in US and Korea. Last year we were able to successfully revive our assembly in Tempe, US. The events from the last KOCSEA symposium contributed a lot in nurturing collaborative relations among leading IT industries and research labs in both Korea and US and presenting opportunities for joint research and exchange of scholarly ideas.

The one-and-half day symposium will consist of invited talks by outstanding researchers and professors in various fields in IT, as well as a panel session that will discuss ideas for CS research collaboration between industry and academia. Through this symposium, we expect to further increase the opportunities for meaningful research collaborations between academicians and professionals in US and Korea in the field of Computer and Information Science through this workshop.

Since the symposium is hosted in the University of Southern California this year, we invited more computer scientists and engineers from Southern California universities and research institutes, including Chancellor Steve Kang of UC Merced. We are also organizing a student social interaction session and career workshop for local student attendees.

The successful organization of the KOCSEA symposium has required the talents, dedication and time of many volunteers and strong support from sponsors. Creating this symposium required a tremendous effort from many people. Our technical program chair, Prof. Byung Choi, put together the high quality program. The co-chairs, Drs. Kyung Ryu and Kang-won Lee helped many organizing activities and shared their experience and pointers. The advisory co-chairs, Prof. Kane Kim and Dr. Se June Hong, and senior advisors, Prof. Kang Shin, Prof. Insup Lee and Prof. Sang Hyuk Son, provided input on various KOCSEA activities. Our local arrangement co-chairs, Dr. Nankyng Cockerham, Prof. Yoohwan Kim, Prof. Junghoo Cho, and Dr. Jongwook Woo worked hard to host this symposium in this wonderful venue. We thank the UCLA and USC students who helped the local organization effort. Dr. TaekJin Kwon and Prof. Yoonsuck Choe actively participated in symposium planning and prepared various materials. Prof. EunYoung Kang put enormous amount of time and energy to set up the new KOCSEA website and Dr. BongJun Ko worked on new web pages and membership drive. Prof. Ryoo Jungwoo led the KOCSEA Moon-Jung Chung Scholarship effort this year. The hard work of other organizing members was also critical to make this event possible. We are grateful to KUSCO and KSEA the symposium co-organizer, who also funded this symposium. I also appreciate the support from the symposium sponsors, KT and Google, and other participants from Korean organizations including KIISE, ETRI, LG, Samsung, and KOTRA. We also thank Moon-Jung Chung family for their scholarship donation. Finally, we thank Prof. Chan-Mo Park for supporting us and sending encouraging remark to this event.

We hope that you will find the symposium both enjoyable and valuable.

KOCSEA Technical Symposium 2007 General Chair
Jihie Kim
University of Southern California

Symposium Organizers

General Chair

Prof. Jihie Kim (University of Southern California), KOCSEA President

Program Chairs

Prof. Byung Kyu Choi (Michigan Tech)

Co-Chairs

Dr. Kang-Won Lee (IBM Research)

Dr. Kyung Dong Ryu (IBM Research)

Sponsorship Chair

Prof. Yoonsuck Choe (Texas A&M University)

Dr. Taek Jin Kwon (Telcordia Technologies)

Local Arrangement Chairs

Prof. Junghoo Cho (University of California, Los Angeles)

Prof. Jongwook Woo (California State Univ, LA)

Dr. Nankyung Cockerham, (University of Southern California)

Registration Chair

Prof. Yoohwan Kim (University of Nevada, Las Vegas)

Prof. Seung Jong Park (Louisiana State University)

Student Affairs Chair

Prof. Jungwoo Ryoo (Penn State University, Altoona)

Publication Chair

Prof. EunYoung Kang (California State University, Los Angeles)

Dr. Bongjun Ko (IBM Research)

Panel Chairs

Prof. Sang Hyuk Son (University of Virginia)

Dr. Jong-Deok Choi (Samsung Electronics)

Advisory Chairs

Prof. Kane Kim (University of California, Irvine)

Dr. Se June Hong (IBM Research, KAIST)

KSEA Councilors

Prof. K. Wayne Lee (University of Rhode Island) kwaynel@gmail.com

Prof. Chueng-Ryong Ji (North Carolina State University) crji@ncsu.edu

Prof. Seong Gon Kong (Temple University) skong@temple.edu

Prof. Jae Hoon Kim (Boeing) jae.h.kim@boeing.com

Prof. Hyeong-Ah Choi (George Washington University) hchoi@gwu.edu

Prof. Lawrence Chung (University of Texas at Dallas) chung@utdallas.edu

Prof. Dong Sam Ha (Virginia Tech) ha@vt.edu

Dr. Jane Oh (JPL) jane.oh@jpl.nasa.gov

Conference Venue

University of Southern California, Los Angeles, CA

On December 14

Auditorium room 100, HNB
(Hedco Neuroscience Building)



On December 15

Room B27 and B28, WPH
(Waite Phillips Hall)



Direction to USC (from LAX)

1. Take the 105 (Century Freeway) east.
2. Transition to the 110 (Harbor Freeway) north.
3. Take the Exposition Boulevard exit.
4. Go straight through the 37th Street light. Keep left.
5. Go under the freeway bridge and across Flower Street and Figueroa Street.
6. Turn right into the main entrance to the university at Exposition Boulevard and Pardee Way.

December 14, 2007 (Friday)

Date	Time	Program
Dec. 14 Friday	12:00pm- 01:15pm	Registration and Lunch
	01:15pm- 01:30pm	Opening Remark <ul style="list-style-type: none"> • Jihie Kim (U. of Southern California) • Ramesh Govindan (USC, CS Department Chair) • Jong-Hyun Rhie (KUSCO Director)
	01:30pm- 02:15pm	Keynote Speech Moderator : Jihie Kim (USC) <ul style="list-style-type: none"> • <i>"Traits of 21st century leaders in science, technology, and engineering,"</i> Steve Kang (UC Merced Chancellor)
	02:15pm- 03:35pm	Invited Talk 1 - Computer Systems and Networks, Moderator : Taek Jin Kwon (Telcordia Technologies) <ol style="list-style-type: none"> 1. <i>"Privacy Oracle---automatic detection of private information leaks from everyday applications,"</i> Jaeyeon Jung (Intel), Computer Networks and Security 2. <i>"What We Do Online Today and Tomorrow,"</i> Sue Moon (KAIST) 3. <i>"Home Network and its R&D Activities in ETRI,"</i> Intark Han (ETRI) 4. <i>"Practical Rate Adaptation Considering Link-layer Collision,"</i> Chong-Kwon Kim (Seoul National U)
	03:35pm- 03:50pm	Coffee Break
	03:50pm- 04:50pm	Invited Talk 2 - Information Management and Software Engineering Moderator: Yoonsuck Choe (Texas A&M U) <ol style="list-style-type: none"> 5. <i>"Software Architectures and Embedded Systems,"</i> Nenad Medvidovic (U. of Southern California) 6. <i>"Mobile Device-Resident Malware Detection through a Behavior-Centric Ontology,"</i> Jungwoo Ryoo (Pen State U. Altoona) 7. <i>"Network attacks and defenses in practice,"</i> Yoohwan Kim (UNLV)
	04:50pm- 06:00pm	Pannel Session 1 - Collaboration between Industry and Academia Moderator: Byung Choi (Michigan Tech U) <ul style="list-style-type: none"> • <i>"The cooperative research relation of IBM and universities,"</i> Se June Hong (IBM Research) • <i>"An Introduction to LG Electronics,"</i> Changwon Park (LGE) • <i>"Collaboration between Industry and Academia,"</i> Sungdeok Cha (KAIST) • <i>"Collaboration between Industry and Academia in Korea"</i> Chong-Kwon Kim (Seoul National U)
	06:30pm- 09:00pm	Reception Dinner <ul style="list-style-type: none"> • KOCSEA Scholarship Award • <i>"Introduction to KUSCO,"</i> Jong-Hyun Rhie (KUSCO) • <i>"Introduction to KSEA,"</i> HeeKoo X. Moon (KSEA) • <i>"Introduction to KT,"</i> James Ju (KT)

December 15, 2007 (Saturday)

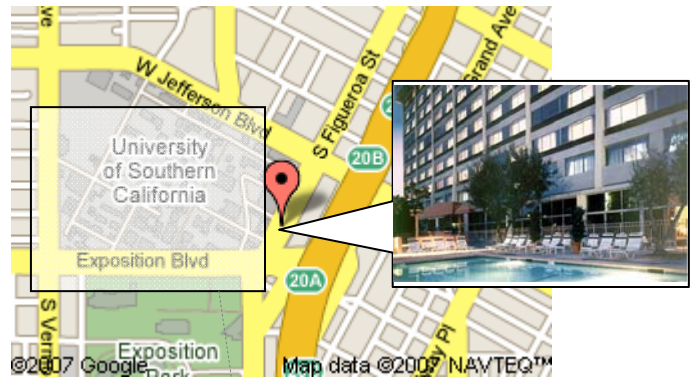
Date	Time	Program
Dec. 15 Saturday	08:00am- 08:30am	Registration and Breakfast
	08:30am- 09:15am	Keynote Speech 2 Moderator: Byung Choi (Michigan Tech U) <ul style="list-style-type: none"> • "A Spectrum Booster with Adaptive Sensing and Agility," Kang G. Shin (U of Michigan)
	09:15am- 10:15am	Invited Talk 3 - Computer Vision and Real time Systems Moderator: BongJun Ko (IBM) 8. "Scene Transition and Foreground Extraction for Virtual Tour Systems," EunYoung Kang (Cal State U. LA) 9. "Real-time Data and Event Services in Wireless Sensor Networks," Sang Hyuk Son (U of Virginia) 10. "Introduction to Web Service Architecture for e-Business applications," Jongwook Woo (Cal State U. LA)
	10:15am- 10:30am	Coffee Break
	10:30am- 11:30am	Invited Talk 4 - Database Systems and Networks Moderator: Junghoo Cho (UCLA) 11. "PCE (Path Characteristics Estimation) and its Applications," Medy Sanadidi (UCLA) 12. "Open Source Software - Is It Changing the World?" George Wang (Cal State U. Northridge) 13. "Text Document Clustering Based on Neighbors," Soon M. Chung (Write State U)
	11:30am- 12:10pm	KOCSEA Annual Meeting Moderator: Jihie Kim (USC) <ul style="list-style-type: none"> • "New directions of KOCSEA Website," EunYoung Kang (Cal State U LA) • "Membership Drive," BongJun Ko (IBM) and TaekJin Kwon (Telcordia) • "KOCSEA Symposium 2008 planning," Byung Choi (Michigan Tech U)
	12:10pm- 02:30pm	Lunch and Interaction with Student Participants Moderator: Yoonsuck Choe (Texas A&M U) <ul style="list-style-type: none"> • Yoonsuck Choe (Texas A&M U) • Kang-Won Lee (IBM) and Kyung-Dong Ryu (IBM) • Paul Hong (Bay Area K-Group) • Changwon Park (LGE) • James Ju (KT)
	02:30pm-	Closing

Local Information

Recommended Hotel

3540 South Figueroa Street ,
Los Angeles California 90007

Reservations: (888) 201-1718 US Toll Free
Telephone: (213) 748-4141 Fax: (213) 746-3255
Email: rhi_laca@radisson.com
http://www.radisson.com/losangelesca_midtown



Map coverage in Page 7

Dinner Restaurant

만리장성
Great Wall Restaurant

989 S Dewey Ave
Los Angeles, CA 90006
Telephone: (213) 384-1119

Direction from Hotel

1. Head northeast on S Figueroa St toward USC MC Carthy Way 0.2 mi
2. Turn left at W Jefferson Blvd 0.7 mi
3. Turn right at S Vermont Ave 1.9 mi
4. Turn left at W Olympic Blvd 0.2 mi
5. Turn right at Dewey Ave 75 ft



Co-Organizers and Sponsors



<http://www.kusco.org>



KSEA (The Korean Scientists and Engineers Association in America)

<http://www.ksea.org>

Wonderfull
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