

# IMSC RETREAT

MARCH 8, 2012 – DAVIDSON CONFERENCE CENTER

Time	Event	Presenter
8:30-9:00	<b>Breakfast and Check-in</b>	
9:00-9:15	<b>Welcome Speech</b>	<b>Randy Hall</b> <i>Vice President of Research, USC</i>
9:15-10:00	<b>IMSC Progress Report</b>	<b>Cyrus Shahabi</b> <i>Director of IMSC</i>
10:00-10:15	<b>Break</b>	
<b>CT (Intelligent Transportation)</b>		
10:15-10:45	<b>Data-Driven Decision Making in Transportation Systems</b>	<b>Ugur Demiryurek</b> <i>Associate Director, IMSC</i>
10:45-11:00	<b>Spatio-Temporal Stream Data Processing in Microsoft StreamInsight</b>	<b>Mohamed Ali</b> <i>Microsoft</i>
11:00-11:15	<b>Video Analytics and Traffic Management</b>	<b>Jonathan Taplin</b> <i>Annenberg Innovation Lab</i>
11:15-11:30	<b>Transportation Decision-Making and Southern Calif. Planning Model (SCPM)</b>	<b>James Moore</b> <i>Professor, Industrial and Systems Engineering</i>
<b>iCampus.USC (Intelligent Campus)</b>		
11:30-12:00	<b>iCampus: A Geospatial Social Networking Web-Portal for the USC Community</b>	<b>Seon Ho Kim</b> <i>Associate Director of IMSC</i>
12:00-12:15	<b>Continuous Sensing of Occupant Satisfaction with Indoor Ambient Factors</b>	<b>Burcin Becerik-Gerber</b> <i>Assistant Professor of Civil and Environmental Eng, USC</i>
12:15- 1:30	<b>Lunch</b>	
<b>iWatch (Intelligent Surveillance)</b>		
1:30-2:00	<b>iWatch: BIG Data Management and Analytics for Intelligent Surveillance</b>	<b>Farnoush Banaei-Kashani</b> <i>Associate Director of IMSC</i>
2:00-2:15	<b>Understanding the Geography of Diabetes</b>	<b>Dr. Wei-An (Andy) Lee</b> <i>Director of the Diabetes and Metabolic Clinic, Los Angeles County Medical Center</i>
2:15-2:30	<b>Telling What-Is-What in Video</b>	<b>Gerard Medioni</b> <i>Professor of Computer Science, USC</i>
2:30-2:45	<b>Monitoring Chronic Diseases by Multimodal Body Area Sensing</b>	<b>Murali Annavaram</b> <i>Professor of Electrical Engineering, USC</i>
2:45-3:00	<b>Break- Adjourn to Radisson Hotel</b>	

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MARCH 8, 2012 – RADISSON HOTEL – CENTER BALLROOM

Demos, Posters and Panel		Combined Sessions with Computer Science Research Review	
3:00-4:30	<b>Demo and Poster Session</b>	<b>IMSC &amp; CS Students</b>	<b>Center Ballroom-Radisson Hotel</b>
4:30-6:00	<b>Panel: Academic Research Centers and Industry: Can they work Together?</b>	<b>Moderator: Kris Srikrishnan - IBM</b> <b>Panelist:</b> <b>Dan Fay – Microsoft</b> <b>Christopher Nguyen – Yatown</b> <b>Ramesh Jain – UC-Irvine</b> <b>Jose Rodriguez - Intel</b>	<b>Center Ballroom-Radisson Hotel</b>
6:00-8:00	<b>Dinner</b>		<b>Center Ballroom-Radisson Hotel</b>

## ADVISORY BOARD MEMBERS

Divyakant Agrawal	Professor, UC Santa Barbara
Jim Brink	Reservoir Management i-field, Chevron
Beth H. Driver	Scientific Advisor for Databases, National Geospatial Intelligence Agency (NGA)
Dan Fay	Director of External Research - Earth, Energy, and Environment, Microsoft
Dieter Gawlick	Lead Software Architect, Oracle
Hakan Hacigumus	Department Head, Data Management, NEC Labs America
Erik Hoel	Lead Developer, Geodatabase Team, ESRI
Meichun Hsu	Director of Intelligent Information Management Lab., HP
Ramesh Jain	Donald Bren Professor of Info & Computer Science, UC Irvine
Praveen Kashyap	Sr. Director, Digital Media Lab Solutions, Samsung Information Systems America
Andrew Kirmse	Principal Engineer, Google
Steve Kowalski	System Architect, Northrop Grumman
Alwar Narayanan	Director of Research & Emerging Technologies Group, NAVTEQ
Maria (Lolo) Penedo	Distinguished Technical Fellow, Northrop Grumman
Jose Rodriguez	IC Design Manager, Intel
Shashi Shekhar	McKnight Distinguished University Professor, U of Minnesota
Soonho Shin	Professor, Namseoul University
Kris Srikrishnan	Distinguished Engineer, IBM
Avideh Zakhor	Professor, Electrical Engineering & Computer Sciences, UC, Berkeley
Bingcai Zhang	Technical Fellow, BAE Systems
Lin Zhang	Associate Professor, Tsinghua University, China

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## **GUEST**

Mohamed Ali	Senior Software Design Engineer, Microsoft
Petko Bakalov	Computer Scientist, ESRI
Kenneth Coleman	Motorist Services Program Manager, LA County Metropolitan Transportation Authority
Yannis Drougas	Computer Scientist, ESRI
Kali Fogel	Motorist Services Technical Administrator, LA County Metropolitan Transportation Authority
David Kaiser	Software Developer, ESRI
Xavier Lopez	Director, Spatial and Semantic Technologies, Oracle
Lloyd Matthews	Software Systems Engineer, Northrop Grumman
Animesh Mishra	Principal Engineer, Intel Corporation
Christopher Nguyen	CEO & Co-Founder, Yatown
Lanre Olabinjo	UWT Alliance Coordinator, Chevron Energy Technology Company
Randal Sylvester	Chief Technologist, L-3 Communications
Edwin Tse	Director, Technology Intelligence Systems Division, Ground Systems, Northrop Grumman

## **UNIVERSITY OF SOUTHERN CALIFORNIA**

Murali Annavaram	Assistant Professor, Electrical Engineering Systems
Burcin Becerik	Assistant Professor, Civil/Environmental Engineering
Hilda Blanco	Research Professor, Sol Price School of Public Policy
Marion Boarnet	Professor, Sol Price School of Public Policy
Iraj Ershaghi	Professor, Director of Petroleum Engineering Program, Executive Director of CiSoft
Rick Friedman	Senior Director, USC Stevens Institute for Innovation
David Gerber	Assistant Professor, Architecture
Dan Goldberg	Research Assistant Professor, Spatial Science
Randolph Hall	Vice President of Research
Carol Hayes	Director, Administrative Operations, Department of Public Safety
Karen Kerr	Senior Director for New Ventures and Alliances, USC Stevens Institute for Innovation
C.-C. Jay Kuo	Professor, Ming Hsieh Department of Electrical Engineering
Andy Lee	Assistant Professor Clinical Medicine, Keck School of Medicine
Azad Madni	Professor, Epstein Department of Industrial and Systems Engineering
Angus McColl	Executive Director, Corporate Relations, Viterbi School of Engineering

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Gerard Medioni	Professor, Computer Science
Donald Paul	William Keck Chair of Energy Resources & Research Professor of Engineering
Raghu Raghavendra	Vice Dean for Global Academic Initiatives
Erin Reilly	Managing Dir. Annenberg Innovation Lab., Annenberg School
Ed Rhodes	Professor, Physics and Astronomy, Dornsife College of Letters, Arts and Sciences
John Sweet	Sr. Technology Advancement & Licensing Manager, USC Stevens Institute for Innovation
Jonathan Taplin	Director, Annenberg Innovation Lab., Annenberg School for Communication & Journalism
Juan Felipe Vallejo	Director of Innovation Development, USC Stevens Institute for Innovation
Yannis C. Yortsos	Dean, Viterbi School of Engineering

## **IMSC STUDENT - POSTER PRESENTATIONS:**

***Accurate Efficient Mosaicking for Wide Area Aerial Surveillance***

***An Empirical Study on Time-Dependent Delivery Route Planning***

***An Energy-Efficient and Multi-modal Body Area Sensing System for Remote Diabetes Management***

***iCampus Mobile***

***Indexing Multidimensional Stream Data in a Cloud System***

***Online Computation of Time-dependent Fastest Path in Road Networks***

***PTZ Camera Assisted Object Detection and Tracking***

***Real-time 3-D Face Tracking and Modeling From a Webcam***

***Real-time Traffic Video Analysis Using Intel Viewmont Coprocessor***

***Recognition of Objects and Events in Video***

***Social-Network based Search and Ranking***

***Surveillance Through Realtime Evaluation of Reachability Queries in Large and Evolving Contact Networks***

***Towards m-Traveling Salesman Problem in Time-dependent Road Networks***

***TAPAS: Trustworthy Privacy-Aware Participatory Sensing***

***Traffic Prediction in Urban Road Networks***

***Trojan Explorer: Game to learn USC heritage***

***3D Search: Indexing and Ranking of Textual, Temporal and Spatial Features of Web Documents***

plus 50 Computer Science student posters