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

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<th>Time</th>
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<tr>
<td>3:00-4:30</td>
<td>Demo and Poster Session</td>
<td>Center Ballroom-Radisson Hotel</td>
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<td>4:30-6:00</td>
<td>Panel: Academic Research Centers and Industry: Can they work Together?</td>
<td>Center Ballroom-Radisson Hotel</td>
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<td>Moderator: Kris Srikrishnan - IBM</td>
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<td>Panelist:</td>
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<td>Dan Fay – Microsoft</td>
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<td>Christopher Nguyen – Yatown</td>
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<td>Ramesh Jain – UC-Irvine</td>
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<td>Jose Rodriguez - Intel</td>
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<td>6:00-8:00</td>
<td>Dinner</td>
<td>Center Ballroom-Radisson Hotel</td>
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### 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
IMSC RETREAT
MARCH 8, 2012 – DAVIDSON CONFERENCE CENTER

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

USC Viterbi
School of Engineering
IMSC RETREAT
MARCH 8, 2012 – RADISSON HOTEL – CENTER BALLROOM

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