Keynote Speakers

Opening Speech

Sorel Reisman
IEEE Computer Society President, 2011

About the Speaker:
Dr. Sorel Reisman, 2011 President of the IEEE Computer Society, is Managing Director of the international, higher education consortium MERLOT.ORG, and Professor of Information Systems at California State University Fullerton. He has held senior management positions at IBM (Canada and US), Toshiba (US), and EMI (UK). He is a Senior IEEE member, was Vice President of the Computer Society Publications Board, and Vice President of the Electronic Products and Services Board where he developed and initiated the Computer Society’s eLearning and online books programs.

Dr. Reisman was editorial board member/columnist on IEEE Software, founding board member of IEEE Multimedia and IEEE ITPro, author of the column, The Ivory Tower, and reviewer for IEEE Transactions in Education. Reisman has presented/published 50+ articles and the books Multimedia Computing: Preparing for the 21st Century, and Electronic Learning Communities – Current Issues and Best Practices. He is an advisory board member of the Adobe Higher Education Advisory Board, a member of the MERLOT African Network, and liaison to the Australian, European, Japanese and Canadian national digital library consortium, GLOBE. Reisman received his electrical engineering degree, and MA and PhD in Computer Applications from the University of Toronto.
Keynote 1

Cloud First in e-Government

Vivek Kundra
Federal CIO

About the Speaker:
Vivek Kundra was appointed as the United States Chief Information Officer by President Obama in March 2009. Prior to joining the Obama administration, Kundra served in Mayor Fenty's cabinet as the CTO for the District of Columbia and Governor Kaine’s cabinet as Assistant Secretary of Commerce and Technology for the Commonwealth of Virginia. He has also served in leadership roles in the private sector.

The World Economic Forum selected Kundra as a 2011 Young Global Leader, representing a group of exceptional young leaders who share a commitment to shaping the global future. He has been recognized as the 2009 Chief of the Year by InformationWeek for driving unprecedented change in Federal IT and as the 2008 IT Executive of the Year for his pioneering work to drive transparency, engage citizens and lower the cost of government operations. He has also been recognized by InfoWorld among the top 25 CTO's in the country.
Keynote 2

Cloud Computing Challenges and Solutions

Dan Reed, Ph.D.
Fellow of ACM, IEEE & AAAS
Corporate Vice President, Microsoft

About the Speaker:
Dan Reed is Microsoft’s Corporate Vice President for Technology Strategy and Policy and Extreme Computing. Previously, he was the Chancellor’s Eminent Professor at UNC Chapel Hill, as well as the Director of the Renaissance Computing Institute (RENCI) and the Chancellor’s Senior Advisor for Strategy and Innovation for UNC Chapel Hill.

Dr. Reed has served as a member of the U.S. President’s Council of Advisors on Science and Technology (PCAST) and as a member of the President’s Information Technology Advisory Committee (PITAC). As chair of PITAC’s computational science subcommittee, he was lead author of the report “Computational Science: Ensuring America’s Competitiveness.” On PCAST, he co-chaired the Networking and Information Technology subcommittee (with George Scalise of the Semiconductor Industry Association) and co-authored a report on the National Coordination Office’s Networking and Information Technology Research and Development (NITRD) program called “Leadership Under Challenge: Information Technology R&D in Competitive World.”

In June 2009, he completed two terms of service as chair of the board of directors of the Computing Research Association, which represents the research interests of Ph.D. granting university departments, industrial research groups and national laboratories.

He was previously Head of the Department of Computer Science at the University of Illinois at Urbana-Champaign (UIUC), where he held the Edward William and Jane Marr Gutsell Professorship. He has also been Director of the National Center for Supercomputing Applications (NCSA) at UIUC, where he also led National Computational Science Alliance, a fifty institution partnership devoted to creating the next generation of computational science tools. He was also one of the principal investigators and chief architect for the NSF TeraGrid. He received his B.S. from Missouri University of Science and Technology and his M.S. and Ph.D. in computer science in 1983 from Purdue University.

He is a Fellow of the ACM, the IEEE and the AAAS.
Keynote 3

Web Services in the Scientific Wilds

Carole Goble
University of Manchester, UK

About the Speaker:
Carole Goble is a Full Professor in the School of Computer Science. For the past 20 years she has applied technical advances in knowledge management technologies, workflow systems, and distributed and social computing to solve information management problems for Life Scientists and other scientific disciplines. She is the director of one of the most widely adopted open source scientific workflow systems (Taverna) which was designed to be able to use the public Web Services of the scientific community. She has also built several widely used crowd-sourced and community-curated data/model sharing platforms. These platforms are used as services (and are themselves web services) scientists in the field for Systems Biology (SEEK), social science data (MethodBox), workflows (myExperiment) and Web Services (BioCatalogue). Notably, the BioCatalogue (http://www.biocatalogue.org) developed in partnership with the European Bioinformatics Institute, is a socially curated catalogue of web services for the Life Sciences, with over 2000 publicly available, real web services currently registered.

In 2008 Carole was awarded the inaugural Microsoft Jim Gray award for outstanding contributions to e-Science and in 2010 was elected a Fellow of the Royal Academy of Engineering for her contributions to e-Science.