

APRU CIO 2007 Conference
Hosted by University of Southern California

Wednesday, March 21 – Friday, March 23, 2007

PROGRAM

Wednesday, March 21

5:00-7:00 pm Registration, Wine & Cheese Reception

Thursday, March 22

7:30-
8:30 am Registration, Continental Breakfast

8:30-
8:45 am Program Announcements

8:45-
9:00 am Welcome Remarks

9:00-
Noon General Session – CIO Briefings (5 minutes each):

- Top 3 Collaborative Interests
- Top 3 Challenges
- Top 3 New Initiatives

Noon-
2:00
pm Luncheon (Keynote Speaker):
“Tech 2020”
What are the top five themes in the technology sector fifteen years
from now?
Irfan Furniturewala, Vice President, Capital Group

2:00-
3:00 pm Demos (USC IT Projects and others)

3:15-
5:15
pm Three Concurrent Sessions:

**A. Building Collaborative Teaching and Learning
Environments**

*Moderator: Don Harris, Vice Provost, Information Services & CIO;
Associate Professor: College of Business, University of Oregon*

This session will focus on both teaching and learning environments, sharing resources with other APRU members, and how to tie back to service-oriented architecture. The goal being, how can we take advantage of the emerging tools and models of collaboration? And how can APRU member institutions leverage Web 2.0 systems to develop both internal and intra-University

collaborative systems that will enhance teaching, learning, and potentially research collaborations?

Session Speakers:

- Peter Siegel, Vice Provost for Information and Educational Technology, Chief Information Officer, UC Davis
- and Elizabeth Gibson, Director of Information and Educational Technology's Mediaworks and Classroom Technologies departments, UC Davis
- Jeff Keltner, Google Apps for Education, Google Enterprise

B. Grid Computing

Moderator: Tommy Hor, Director, Computer Centre, National University of Singapore

As sophisticated media production becomes increasingly within the reach of faculty and students, the storage, asset management, and portalized tool kits for teaching and learning are becoming ever more critical. This session focuses on approaches to dealing with these complex issues, including ways to facilitate research collaboration.

Session Speakers:

- *Carl Kesselman, Research Associate, Professor of Computer Science, Information Sciences Institute, USC*
- *Jikku Venkat, Chief Technology Officer, United Devices*

C. Internet2 Applications and Services (GER 230)

Building and using an advanced network environment for research, teaching and learning

Moderator: Suh-Pyng Ku, Chief Technology Officer for Enhanced Learning, Office of the Provost, USC

What does a world without bandwidth limits mean for teaching and learning? This session explores Internet2 and how the emerging world of limitless data flow will empower our classes, infrastructure, research and distance learning initiatives.

3:15 - 3:45 Internet2 Overview

Heather Boyles, Director, Member and Partner Relations, Internet2

This session focuses on the overview of developments, services, activities of the Internet2 community. In addition, there will be an International Research and Education (R&E) network connectivity overview - especially related to APRU institutions, Pacific Rim infrastructure and opportunities for collaboration.

3:45 - 4:15 Campus Identity Management and National Federations

Keith Hazelton, IT Architect, University of Wisconsin Madison

This session will focus on campus identity management developments in the Internet2 community as well as identity management federations and their relationship to networked collaboration. The federation developments in the APRU

community and opportunities for international cooperation will also be covered.

4:15 - 4:45 Users and uses of advanced network environments
Ann Doyle (via VTC), Manager for Arts and Humanities Initiatives, Internet2

This session will provide an overview of user communities and examples of ways advanced networks are being used. Also, it will cover high-quality audio and video uses in the arts and humanities community, which will be an introduction to the evening's event: "Interactive Teaching/Educational Musical Program via Internet2"

4:45 - 5:15 Q&A

5:30-6:30 pm Wine & Cheese Reception (ASI Auditorium)

6:30-7:30 pm "Interactive Teaching/Educational Musical Program via Internet2" (ASI Auditorium)

Get ready for a technological treat for the senses! The APRU CIO 2007 Conference is proud to present a live collaborative musical performance via Internet2. Professor Brian Shepard of USC's Thornton School of Music will conduct three student musical sessions, located at two different locations.

7:30-9:00 pm Banquet (Upstairs Commons: Garden Café)

Friday, March 23

8:00-9:00 am Continental Breakfast

9:00-11:00 am General Sessions:

- **Governance**

Heeding the wisdom that a house should never be built on a shaky foundation, this session will focus on the complex world of IT governance. The discussion will include such topics as how to develop and communicate a clear enterprise wide IT vision and mission, how to align units and schools with the university's strategic direction, and approaches to implementing service-oriented architecture into academic systems.

Session Speakers:

- *Tom Katsouleas, Professor of Electrical Engineering, Viterbi School of Engineering, University of Southern California*

- *Ilee Rhimes, Chief Information Officer and Vice Provost for Information Services, University of Southern California*

Effective IT Governance: A Strategic Imperative

The need to ensure that IT resources are effectively governed across the enterprise has become a strategic imperative in an increasingly complex, and often distributed university IT environment. The key components of an effective IT governance strategy include an enterprise-wide communication approach; and a framework that fosters collaborative decision-making, planning, and resource allocation. This session will focus on the major goals, guiding principles, and key components of an IT governance strategy, and include a brief analysis of an actual IT governance model.

- **Security**

Session Speaker: *Topher Neumann, Principal, CSC Consulting*

In a world where information sharing and collaboration are ever more important, security is of increasing relevance and cost. Systems therefore require complex development and planning strategies prior to implementation. This session focuses on three areas that will help develop a good IT security strategy:

1. Corporate governance on IT strategies, including closed and open systems
2. Data protection: what to share and what not to share
3. Best practices and tools

11:30-
Noon Closing & Wrap-up

Noon-
5:00 pm Local Exploration of ISI and ICT (Marina del Rey)

Extract from: <http://apru2007.usc.edu/program.cfm> (as at February 27, 2007)

APRU CIO CONFERENCE 2007 SPEAKERS

Keynote Speaker



Irfan Furniturewala, Vice President, Capital Group

Irfan M. Furniturewala is an investment analyst for The Capital Group based in Los Angeles. The Capital Group is a global investment manager that manages \$850Bn of mutual fund assets and \$300Bn of institutional assets. Irfan has research responsibilities in technology focusing on semiconductors, hardware and the associated supply chain. Besides analyzing companies and recommending stocks, Irfan also co-manages a sector specific portfolio focused on technology.

Prior to joining the Capital Group, Irfan worked as a project leader and senior engineer at Motorola, designing microcontroller chips for wireless devices such as cell phones and pagers. He is the co-inventor of two semiconductor design patents that were granted by the US Patent Office from his time at Motorola.

Mr. Furniturewala earned an MBA from the University of Pennsylvania Wharton School of Business, an MS in electrical engineering from Iowa State University, and a BS in Electronics Engineering from Bombay University, India.

General Session Speakers

Governance



Tom Katsouleas, Professor of Electrical Engineering, Viterbi School of Engineering, University of Southern California

Thomas Katsouleas is the a professor of electrical engineering. Prior to February 1, 2007, he was the Vice Provost for Information Services. In 2005-06, he served as president of the Academic Senate, during which time he focused on enhancing the university's academic technology infrastructure. Katsouleas has also served as associate dean for research and as associate dean for student affairs in the Viterbi

School of Engineering. Katsouleas was the first chair of USC's High Performance Computing and Communications Center (HPCC) Faculty Advisory Committee. In 2005-06, he co-chaired the Senate-Provost Committee to Examine Information Services, which recommended restructuring USC's information technology services into a federated model.



Ilee Rhimes, Chief Information Officer and Vice Provost for Information Services, University of Southern California

Ilee has over 35 years of information technology experience in the higher education and private sector. More than 24 of those years have been in higher education, including 14 years with three major public institutions in Ohio. In addition to experience as CIO, his higher education leadership background includes serving as vice chancellor of technology, interim-vice president for business and finance, associate vice president for business and finance, and director of computer services. Ilee's private sector leadership experience includes serving as assistant vice president for methods and operations for a financial services firm, senior principle for an international technology consulting firm, and director of consulting services for a Chicago area technology consulting firm. Ilee earned a B.A. from Governors State University in University Park, Illinois and an M.B.A. from Miami University in Oxford, Ohio.



Security

Tophier Neumann, Principal, CSC Consulting

Leading CSC's Risk Governance Practice, Mr. Neumann is pioneering advanced risk governance and threat mitigation strategies for CSC clients. Prior to CSC, Mr. Neumann was Ernst & Young's National Chairman for the Center for Trust Online, where he was recognized as an innovator and expert in assurance, process, and IT effectiveness. Mr. Neumann has deep international operations experience gained in executive and operational capacities for Fortune 500 Companies. He has consulted widely throughout his career on Risk. His opinions on trust, risk and management have been sought throughout the US, EU, and Asia by some of the largest global companies.

Mr. Neumann holds an MBA from Harvard University and received his undergraduate degree in Mandarin Chinese.

Concurrent Session Speakers

A. Building Collaborative Teaching and Learning Environments



Peter Siegel, Vice Provost for Information and Educational Technology, Chief Information Officer, UC Davis

Peter M. Siegel is the vice provost for information and educational technology and chief information officer at the University of California at Davis. Pete joined UC Davis in August 2006 from the University of Illinois at Urbana-Champaign, where he held a similar position.

As vice provost, Pete Siegel is responsible for providing the leadership necessary to assure the effective and strategic deployment of information and educational technologies to the campus's academic and administrative operations, including between the Davis campus and the UC Davis Health System. Pete oversees a broad portfolio of information and educational technology infrastructure and services, including computing systems and data, voice and video communications, cybersafety, and instructional technologies.

Pete has been active nationally in the area of online technologies for education and collaboration, including the intersection of educational technologies and open source.



Elizabeth Gibson, Director of Information and Educational Technology's Mediaworks and Classroom Technologies departments, UC Davis

Elizabeth Gibson is the Director of Information and Educational Technology's Mediaworks and Classroom Technologies departments at the University of California at Davis. As Director, Liz is responsible for a broad range of instructional technology services at UC Davis -- from classroom technologies and the campus implementation of Sakai, to enterprise academic software applications (such as online collaboration tools and digital repository), media production services, and faculty training and support. Liz works closely with the Teaching Resources Center, the Library, academic departments, and faculty to form numerous collaborations bringing together pedagogy, research and technology.

Liz participates in a number of committees, both on and off campus, sharing expertise and providing advice on instructional technologies.



Jeff Keltner, Google Apps for Education, Google Enterprise

Jeff Keltner is an Enterprise Specialist for Collaboration Products at Google where he specializes in presenting the Google vision for search and collaboration tools to business audiences. Jeff brings several years of experience in both business development and engineering to Google - most recently as a sales specialist for IBM. Prior to joining IBM, Jeff worked as a systems engineer for such companies as Hilton Hotels Corporation and SSB Technologies. Jeff holds a bachelor's degree in Computer Systems

Engineering from Stanford University.

B. Grid Computing



Carl Kesselman, Research Associate, Professor of Computer Science, Information Sciences Institute, USC

Dr. Carl Kesselman is Fellow in the Information Sciences Institute at the University of Southern California. He is the Director of the Center for Grid Technologies at the Information Sciences Institute and a Research Professor of Computer Science at the University of Southern California. He received a Ph.D. in Computer Science from the University of California, Los Angeles, a Master of Science degree in Electrical

Engineering from the University of Southern California, and Bachelors degrees in Electrical Engineering and Computer Science from the University at Buffalo. Dr. Kesselman also serves as Chief Scientist of Univa Corporation, a company he founded with Globus co-founders Ian Foster and Steve Tuecke.

Dr. Kesselman's current research interests are all aspects of Grid computing, including basic infrastructure, security, resource management, high-level services and Grid applications. He is the author of many significant papers in the field. Together with Dr. Ian Foster, he initiated the Globus Project™, one of the leading Grid research projects. The Globus project has developed the Globus Toolkit®, the de facto standard for Grid computing.



Jikku Venkat, Chief Technology Officer, United Devices

Dr. Venkat has been with United Devices since its inception and has over 20 years of experience in the computer industry in a unique mix of roles in research, product development and management. Under his leadership, the company has developed and delivered three generations of grid computing software to the market -- software that has been recognized for its leading scalability, security, manageability and performance. Prior to joining United Devices, Dr. Venkat was responsible for product development for the WebPC, a state-of-the-art, legacy-free PC from Dell Computer. Prior to WebPC, Dr. Venkat worked for the CTO and was involved in the evaluation of advanced technologies and setting strategy for the office of the CEO. Prior to his tenure at Dell, Dr. Venkat worked at IBM for 8 years where he was an architect/consultant on PowerPC platform development and strategy. He was involved in the system architecture/performance analysis and led development on the prototype of a high-end multi-processor server with a very high-speed, low-latency communication fabric. Early in his IBM career, Dr. Venkat developed scheduling and monitoring tools for parallel program execution using a distributed network of idle workstations. He developed a suite of parallel programs and completed extensive performance analysis to demonstrate the feasibility of using this network of workstations as a massively parallel computing system. Dr. Venkat holds a Ph.D. and M.S. in Computer Engineering from the University of Texas at Austin. His graduate research experience centered on processor architecture, performance analysis, compiler technology and the development of parallel programs. He has several patents issued or filed and several under development. In addition, Dr. Venkat has spoken on numerous panels and conferences (including the Global Grid Forum) on grid computing and its applications.

C. Internet2 Applications and Services



Internet2 Overview and International Partnerships

Heather Boyles, Director, Member and Partner Relations, Internet2

Heather Boyles is a Director in the Member and Partner Relations department of Internet2. She has senior management responsibilities for Internet2's relationships with infrastructure-related constituencies, including non-US networking initiatives, US federal research networks and US-based advanced regional networks. As part of these responsibilities, Heather serves as Director, International Relations, overseeing the building of the Internet2 International Relations program from its first partnership in 1997 with Canada's CANARIE organization to over 45 partnerships today with high-performance research and education networking organizations from around the world. She has been involved with numerous global networking initiatives and organizations, including the Coordinating

Committee on Intercontinental Research Networking (CCIRN), the Internet Society (ISOC), the G7 Global Interoperability of Broadband Networks (GIBN) initiative and others.

Heather holds a Master's Degree in International Affairs: International Economic Policy from the American University in Washington, DC and a Bachelor's Degree in International Studies and German from Indiana University of Pennsylvania.



Middleware Infrastructure

Keith Hazelton, IT Architect, University of Wisconsin-Madison

Keith Hazelton is IT Architect at the University of Wisconsin-Madison. He is a member of the Internet 2 Middleware Architecture Council for Education (MACE), chair of the MACE-Dir Working Group, and a member of the Net@Edu PKI Working Group sponsored by Internet 2 and Net@Edu. He is a frequent participant and sometimes presenter at Common Solutions Group (CSG) and Committee on Institutional Cooperation (CIC) meetings and workshops.



VTC Collaboration

Ann Doyle, Manager for Arts and Humanities Initiatives, Internet2

Ann Doyle serves as Internet2 Manager for Arts and Humanities Initiatives. Her accomplishments include working with campuses across the nation to produce master classes and performance events enabled by high-speed networking. She has been the executive producer of the two largest collaborations in the performing arts over Internet2; "Virtual Halloween at the Rialto" on Georgia State University's campus, and "Cultivating Communities: Dance in the Digital Age" on the University of Southern California campus. Ann has been a featured speaker at the Association of Performing Arts Presenters' annual conference in New York, the Internet Society's Annual Conference in Stockholm, the Los Angeles Museum Educators Consortium, and numerous U.S. campuses interested in the application of Internet2 in performing arts and humanities education. Before joining Internet2, Ann's focus was on coordinating technology services for the arts and humanities schools at the University of Michigan.

Ann has a Master's degree in Higher Education Administration from the University of Michigan. She is also known in the greater Detroit metropolitan area for her career as a singer/songwriter and recording artist.

Conductor for March 22 evening event in ASI Auditorium



"Interactive Teaching/Educational Musical Program via Internet2"

Brian Shepard, Assistant Professor of Pedagogical Technology, University of Southern California

Dr. Brian K. Shepard, is Assistant Professor of Pedagogical Technology in the Flora L. Thornton School of Music at the University of Southern California, where he teaches courses in Composition, Music Theory, Orchestration and Music Technology at both the undergraduate and graduate level. He also chairs the Thornton School of Music Technology Committee. Dr. Shepard's pioneering research into the musical capabilities and opportunities of Internet2 has brought him international recognition. In April 2006, Brian received the inaugural IDEA Award by Internet2 for his work. His research has also been featured on CNN's Technology Week In Review and NPR's Morning Edition, as well as in Discover and Symphony magazines.

Dr. Shepard earned his Bachelor's degree in Percussion from the University of Kansas, his Master's in Conducting from the University of Cincinnati's College-Conservatory of Music (CCM), and his Doctorate in Music Composition from the University of Oklahoma.

Extract from: <http://apru2007.usc.edu/speakers.cfm> (as at February 27, 2007)