Service-Based Computing Strategy & Planning
by IT Professionals

Panel Moderator: Frank E. Ferrante, EIC IT Professional Magazine

Panelists (alphabetical order):
- Arnold Bragg, RTI International
- Ken Christensen, University of South Florida
- Wayne Clark, Cisco Systems
- Simon Liu, NIH/NLM
- Joseph Williams, Microsoft
- Liang-Jie Zhang, IBM

Panel Theme:

The application and developments within the Computing and Web Services field of technology from the perspective of academia, government applications, and industry offer insight to all into the market for future IT Professionals. By bringing together this panel of experts from the various fields of endeavor, the discussions provided are anticipating gaining insight based on their individual perspectives of what each envision as their organization’s view of computing service developments and offerings, the roles to be played in their operation, where they view changes occurring that would enhance the perspective for growth in the industry, and views as to what needs to be offered to make computing services flourish in our world of Information Technology.

To key question that presents itself to today’s new growing population enterprise oriented IT Professionals is “How will the movement into the field of Computing Services affect employment, performance within my organization, and long term growth of the IT Professional field.”

This panel will discuss each of their understanding of computing services and its applications or developments under their organizations and will then describe through their shared discussions on how they view the sharing of knowledge will impact business, employment, and support the state of health of the currently weakened IT Professionals across our nation and internationally They will describe their organizations role in Computing Services and discuss the pros and cons of today’s steps being taken to expand the applicability of computing services through their company perspectives.

Biographies

Moderator:

Frank E. Ferrante is EIC of IEEE Computer Society’s IT Professional Magazine. He serves as Associate Faculty of JHU’s School of Professional Studies in Business and Education, and as Executive Partner within The College of William & Mary’s Business School. He is President of FEF Group, LLC supporting studies in wireless network interoperability and security. He offers over 40 years of telecommunications project engineering systems experience with firms such as Northrop, MITRE, and Mitretek Systems. He has an MS in Engineering and Public Policy from Carnegie Mellon University, MS EE from Syracuse University, and BS EE from Virginia Tech.
Panelists:

Dr. Arnold Bragg is a Principal Scientist in the Center for Advanced Network Research at RTI International Inc., a non-profit research and development institute with headquarters in Research Triangle Park North Carolina. He has more than twenty years experience designing, developing, and deploying computing systems in the US, Latin America, Europe, and the Far East. He received a PhD in Computer Engineering from North Carolina State University in 1995, and has 50+ peer-reviewed publications and five patents. He is a Senior Member of the IEEE, and serves on a number of international technical committees.

Dr. Ken Christensen is an Associate Professor in the Department of Computer Science and Engineering at the University of South Florida. Ken received the Ph.D. in Electrical and Computer Engineering from North Carolina State University in 1991. His research and teaching interest is in performance evaluation of computer networks. Before joining the faculty at USF, Ken was an Advisory Engineer at IBM in the Research Triangle Park. Ken has over sixty conference and journal publications and thirteen U.S. patents. Ken is the LAN/WAN subject area editor for IEEE ITPro magazine.

Wayne Clark is a senior network services architect at Cisco Systems, Inc, in Research Triangle Park, NC. and serves as an industry-recognized expert in corporate enterprise networking having 28 years of experience with a number of leading networking industry vendors such as Cisco Systems, 3M, and Memorex. Wayne is a member of the IT Professional Magazine’s Editorial Advisory Board, has served as Technical Director of the APPI Forum; founding member of SNA management WG for IETF; and currently supports Cisco’s grid computing and web services operations. He has an MS in Computer Engineering from Santa Clara University, and BS from Ohio State University in Computer and Information Sciences.

Dr. Simon Liu is the Director of Information Systems at the National Library of Medicine. He holds a Ph.D. degree in computer science from George Washington University, an MBA degree from University of Maryland, an MS in computer science from Indiana University, and a Chief Information Officer certificate from Carnegie Mellon University. Dr. Liu is an adjunct faculty member of computer science department at the Whiting School of Engineering, Johns Hopkins University. He is an editor of IT Professional Magazine and the recipient of numerous awards and honors.

Dr. Joseph Williams is the Senior Director of the Solutions Architecture Group in Microsoft’s Communications Sector business unit. He is currently involved in a number of large-scale media, mobility, and management projects around the world that are on the cutting edge of SOA deployments. Dr. Williams was previously the Chief Technology Strategist for Sun Microsystems’ software services consulting group. He was an associate professor at Colorado State University and earned his Ph.D. from the University of Texas.

Dr. Liang-Jie Zhang is research staff and founding chair of the Services Computing Professional Interest Community (PIC) at IBM T.J. Watson Research Center. He is a member of Business Informatics with a focus on Service-Oriented Architecture and Web services. He has filed more than 30 patent applications in the areas of e-business, Web services, rich media, data management, and information appliances, and has published more than 80 technical papers in journals, book chapters and conference proceedings. Dr. Zhang chairs IEEE Technical Committee on Services Computing and editor-in-chief of International Journal of Web Services Research (JWSR).