

IEEE ICWS/SCC/SERVICES 2007 Plenary Panel 2

Services Computing in Action: Services Architectures

Panel Moderators

Ephraim Feig — Senior director of services architecture at Motorola

Liang-Jie (LJ) Zhang — Research Staff Member of SOA Services at IBM T.J. Watson Research Center

Ali Arsanjani — Distinguished Engineer and Chief Architect for the SOA and Web Services Center of Excellence within IBM Global Business Services

Zhiwei Xu — Professor and CTO of the Institute of Computing Technology, Chinese Academy of Sciences

Panel Theme

This panel is devoted to the topic of **Services Architectures**, which play a significant role in the effective operations and delivery of services businesses today. We will discuss our views and findings that describe information technology and systems concepts in the topic areas of:

- **Business Architectures**, including enterprise architectures, service-oriented enterprises, business process modeling frameworks, enterprise project management;
- **Solution/Application Architectures**, including Service-Oriented Architecture (SOA), information architectures, composite business services architectures, services discovery and invocation architectures, service-to-service collaboration frameworks, solution-level quality-of-service (QoS) and application management architectures, integration architectures, SOA solution reference architectures, and services “mashup” frameworks that leverage Web 2.0 and SOA for data aggregation and message exchanges; and
- **Infrastructure Architectures**, including operational models, deployment, and system management.

The linkages among these architectures in services business is a key topic for this panel. The other major space we are going to contribute to is the **effective enablement and deployment of Services Architectures** using software engineering technology and platforms. The linkages with “Services Engineering vs. Software Engineering” will be naturally addressed in this panel.

Biographies

Ephraim Feig — Dr. Feig is senior director of services architecture at Motorola. Prior to joining Motorola, Dr. Feig was Chief Technology Officer and Chief Marketing Officer of Kintera, Inc. Before joining Kintera, Dr. Feig was employed at IBM from 1980 until 2000, where he most recently held the positions of Program Director of Emerging Technologies in the Research Division and Program Director of Media Platforms in the Internet Division. Dr. Feig was elected Fellow of the Institute of Electrical and Electronics Engineers for his technical contributions in the field of signal processing and has been issued 22 patents and has more than 20 patent applications pending. Dr. Feig has published more than 100 technical articles in journals and

conference proceedings. Dr. Feig has served as an adjunct professor at several universities, including Columbia University, The City College of New York and New York Polytechnic Institute. He is an executive committee member of the IEEE Computer Society Technical Committee on Services Computing.

Liang-Jie (LJ) Zhang — Dr. Zhang is a Research Staff Member (RSM) in Services Technologies Department at IBM T.J. Watson Research Center. He has been leading SOA and Web Services for Business Consulting Services and Industry Solutions research since 2001. He is the founding chair of the Services Computing PIC (Professional Interest Community) at IBM Research and lead professional activities for IBM's Services Computing discipline. In 2004 and 2005, Dr. Zhang was appointed as the Chief Architect of Industrial Standards at IBM Software Group, where he played leadership role in helping define IBM's strategy for industrial standards and open architecture for service-oriented business solutions.

Ali Arsanjani — Dr. Arsanjani is a Distinguished Engineer and Chief Architect for the SOA and Web Services Center of Excellence within IBM Global Business Services, specializing in harvesting and developing best-practices for the modeling, analysis, design and implementation of SOA and Web Services. He leads the internal IBM worldwide SOA & Web Services Community of Practice (5000+ members) and is the principal author of the (Service-oriented Modeling and Architecture) SOMA method for SOA.

Zhiwei Xu — Prof. Xu received his PhD degree from University of Southern California in 1987. He is a professor and CTO of the Institute of Computing Technology, Chinese Academy of Sciences. His research areas include grid computing, operating systems, and high-performance computer architecture. He is on the editorial boards of Journal of Distributed and Parallel Computing, IEEE Transactions on Computers and Journal of Grid Computing.