

Keynote 1: Web Services: Software-as-a-Service (SaaS), Communication, and Beyond

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Abstract:

Web services is a fast moving research field with a profound impact to many critical research areas, ranging from software to communication, from server platforms to mobile endpoints. It emerges as a disruptive technology to various enterprises to deliver services, computing, communication and information to their customers and partners. This talk intends to capture some recent advances of Web services and new Web services applications in software-as-a-services, cloud computing, communication, message centric SOAP engine design, and mobile services computing endpoints.

In addition to present the technical perspectives and extension potentials in these new developments, I would like to fill the gap between academic research and industry applications through real examples and use cases, with a goal to demonstrate how these technical advances of Web services are applied to industry products and applications, Standards, servers, clients, and new paradigms in software design and testing.

About the Speaker:



Dr. **Wu Chou** (wuchou@avaya.com) is an IEEE Fellow. He received his M.S. degree in mathematics in 1986, M.S. degree in electrical engineering in 1987, M.S. degree in statistics in 1988, and Ph.D. degree in electrical engineering in 1990, all from Stanford University, California, respectively. He joined AT&T Bell Labs in 1990. Currently, he is Director, Avaya Labs Fellow at Avaya Labs Research, Avaya Inc. He and his group explore advanced technologies and applications in Web services, communication, software-as-a-service (SaaS), and services computing.

He is a member of IEEE Computer Society, Signal Processing Society, and Communication Society. He served at various technical committees, industry standards bodies, and transaction/journal editorial boards. He contributed to many industry standards on web services, speech and language processing, multimodal interaction, computer supported telecommunication applications, and unified communication services.

He has been granted over 20 US and international patents, authored or co-authored more than 100 journal and conference paper publications, including three book chapters, and one edited book. He received Bell Laboratories President's Gold Award in 1997 and Avaya Leadership Award in 2005.