Message from the Program Chair of CLOUD 2009


Cloud Computing is becoming a scalable services delivery platform in the field of Services Computing. The technical foundations of Cloud Computing include Service-Oriented Architecture (SOA) and Virtualizations of hardware and software. The goal of Cloud Computing is to share resources among the cloud service consumers, cloud partners, and cloud vendors in the cloud value chain. The resource sharing at various levels results in various cloud offerings such as infrastructure cloud (e.g. hardware, IT infrastructure management), software cloud (e.g. SaaS focusing on middleware as a service, or traditional CRM as a service), application cloud (e.g. Application as a Service, UML modeling tools as a service, social network as a service), and business cloud (e.g. business process as a service). In the fast growing Services Computing community, we have launched a series of events to promote and grow Cloud Computing in the past years. In 2002, we promoted Business Grid to share business processes and applications. In early 2008, The IEEE Transactions on Services Computing (TSC) has adopted Cloud Computing to be included in the taxonomy as a body of knowledge area of Services Computing. In July 2008, the IEEE International Conference on Services Computing (SCC 2008) has delivered a keynote panel “Business Cloud: Bridging The Power of SOA and Cloud Computing” and a keynote “Cloud Computing”. In September 2008, the 2008 IEEE International Conference on Web Services (ICWS 2008) has delivered a keynote “Web Services: Software-as-a-Service (SaaS), Communication, and Beyond” and a panel "Cloud Computing and IT as a Service: Opportunities and Challenges" to further motivate the community members to define Cloud Computing in various areas.

Based on the technology foundations and industry driving forces, the 2009 International Conference on Cloud Computing is created to provide a prime international forum for both researchers and industry practitioners to exchange the latest fundamental advances in the state of the art and practice of Cloud Computing, identify emerging research topics, and define the future of Cloud Computing.

In the technical program of CLOUD-I 2009, all the 4 keynotes are addressing various aspects of cloud computing. CLOUD-I 2009 also organizes 4 theme panels on cloud computing. All the 5 tutorials and the Services University 2009 Summer School on Services Computing are organized to highlight cloud computing in various contexts. Since SOA is a key enabling technology of cloud computing, I have put the SOA Industry Summit to be part of CLOUD-I 2009. I also highlight the following workshops for CLOUD-I 2009 based on the scope and technologies that can be used to help address, create, or manage one or multiple aspects of Cloud Computing.

- IEEE 2009 Third International Workshop on Web X.0 (WebX 2009)
- 2009 International Workshop on Service-Oriented Community Coordinated Multimedia (SCCM 2009)
- 2009 IEEE International Workshop on Web Services Security Management (WSSM 2009)
- 3rd International Workshop on Service Intelligence and Computing (SIC 2009)
- International Workshop on Cloud Services (IWCS 2009)
- Software and Services Maintenance and Management (SSMM 2009)

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