The First IEEE International Workshop on Service Oriented Solutions for Cooperative Organizations (SoS4CO '05)

Message from the Workshop Chairs

Service oriented solutions are the most significant revolution in software engineering over the last few years. Services are realized by encapsulated software components. Their interfaces are self-describing in order to publish, discover, and dynamically bind services. An orchestrated set of services provide a powerful software system realizing machine-to-machine interactions over a network. Due to their nature, service oriented solutions address two key issues in today’s software development: interoperability and portability.

The base standards for realizing service oriented architectures have reached a mature level. As a result, Web Services are more and more implemented in real world scenarios. However, most of these scenarios are still implemented within the scope of a single organization. Although service oriented architectures promise to provide solutions beyond the boundaries of a single organization, implementations that span over multiple organizations are rather low.

This workshop concentrates on all facets of service-oriented solutions that support the cooperation between organizations (enterprises as well as public administration). By cooperation, we understand both business processes supporting the design, creation, etc. of a product/service as well as business processes along a supply chain. A business process might be executed by two (“binary collaboration”) or multiple partners (“multi-party collaboration”). Furthermore, a business process might span over one or more phases: information phase, negotiation phase, execution phase, and after sales phase. The choreography of a business process might not only be fixed at design time but also dynamically be agreed upon during runtime.

The goal of this workshop is to bring together researchers working in this research area. The workshop should stimulate detailed discussions on the different aspects of service oriented solutions. After a selective review process we are proud to present a program covering different aspects of a service oriented solution for cooperative organizations that have been organized in the following sessions: (1) Requirements and Change Management, (2) Service Discovery, (3) Processes, and (4) Trust and Transactions. The papers accepted for these sessions cover both case studies describing practical experiences as well as technical papers featuring new approaches. We hope that the mix of papers and the broad range of expertise of the authors provide a good basis for profound discussions during the workshop and lead to new insights and ideas.