Message from the Special Sessions Chairs

Service Orientation

Service-oriented architectures are an emerging paradigm for distributed systems that is changing the way software applications are designed, implemented, deployed, maintained and consumed. Services are autonomous, platform independent elements that can be described, published, discovered, orchestrated and programmed using standard protocols to build networks of collaborating applications distributed within and across organizational boundaries. Currently Web services are a most promising technology for implementing service-oriented architectures. Web services technology and its related standards provides the basis for the development and execution of business processes that are distributed over the network and available via standard interfaces and protocols.

Service Grids aim to provide an infrastructure for service-oriented architectures. In general Grids can be divided into three distinct categories. Computational Grids provide distributed resources for high-throughput computing, Data Grids provide resources for storing large data sets, and Service Grids are built on top of those in order to provide high-quality services and virtualized applications to the end-users.

In this special session on service-orientation we explore current and future trends in

- Service-Oriented Architectures,
- Web Services Technology,
- Grid Technology, and
- Alternative Technologies for Service-oriented Architectures.

The session is an opportunity for researchers, developers and users to discuss their experiences with distributed systems based on service-oriented architectures.

We have received eight papers from three countries. Each paper was evaluated by at least three reviewers and the acceptance decision was based on their evaluations. A total of four papers was accepted and will be presented during the session.

We would like to thank all those who made this first special session on service orientation possible. First of all, thanks to all the authors who submitted a paper to this track. We would also like to thank the members of the program committee who invested a lot of effort and time in reviewing the submitted papers under strong time restrictions. Last but not least, we would like to thank the organizers of the 33rd EUROMICRO conference who made this session possible.

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