INTENSIVE 2011

Foreword

The Third International Conference on Intensive Applications and Services (INTENSIVE 2011), held between May 22 - 27, 2011 in Venice, Italy, addressed a large spectrum of topics related to technologies, hardware, software and mechanisms supporting intensive applications and services (IAS).

Intensiveness is a qualitative metrics expressing the degree of resources needed to fulfill a given task under strong requirements of either communication, computation, understanding, storage, data-volume, or collaboration, where solutions are time-critical or have a mass impact. The well-known computation/resource intensive paradigm portrays a paradigm shift with the advent of high-speed applications, on-line multi-user game services, GRID applications and services, or on-demand resources and services. With the heavy distributed and parallel applications, communication intensive aspects, such as bandwidth-intensive, multicast-intensive, and propagation intensive, became key contributors for optimizing workflows of computation of intensive tasks, or storage and access-intensive databases. For example, the massive scalability and storage capacity make it the clear choice for replication-intensive applications; the bandwidth-intensive becomes relevant for content streaming systems, while replication and data reuse are important for data-intensive applications on GRIDS. Data-intensive computing is another view on intensiveness, where data availability and data volume may impact solutions for time-critical aspects.

We welcomed technical papers presenting research and practical results, position papers addressing the pros and cons of specific proposals, such as those being discussed in the standard forums or in industry consortia, survey papers addressing the key problems and solutions on any of the above topics short papers on work in progress, and panel proposals.

We take here the opportunity to warmly thank all the members of the INTENSIVE 2011 technical program committee as well as the numerous reviewers. The creation of such a broad and high quality conference program would not have been possible without their involvement. We also kindly thank all the authors that dedicated much of their time and efforts to contribute to INTENSIVE 2011. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

We hope that INTENSIVE 2011 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in sensor technologies and applications research.

We are certain that the participants found the event useful and communications very open. We also hope the attendees enjoyed the beautiful surroundings of Venice.

INTESIVE 2011 Chairs
Chih-Cheng Hung, Southern Polytechnic State University, USA
Rainer Schmidt, Austrian Institute of Technology, Austria
Simon Tsang, Telcordia Technologies, Inc. - Piscataway, USA
Ouri Wolfson, University of Illinois - Chicago, USA

Alvaro Arenas, IE Business School, Spain
Kaustubh Joshi, AT&T Labs Research - Florham Park, USA
Meikel Poess, Oracle, USA
Arun Saha, Fujitsu Network Communications, USA