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Towards a Service-Based Internet

4th European Conference, ServiceWave 2011
Poznan, Poland, October 26-28, 2011
Proceedings

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Preface

It is our pleasure to welcome you to the proceedings of the 4th European Conference ServiceWave 2011, held in Poznan, Poland, October 26–28. ServiceWave 2011 was the fourth edition of the ServiceWave conference series and the second edition to be part of the Future Internet week. The ServiceWave conference series is the premier European forum for practitioners, researchers, and educators to discuss the most recent innovations, trends, experiences and concerns and to set the agenda for research on the future converged Internet of content (IoC), services (IoS), things (IoT) and related network of the future (NoF) technologies. ServiceWave fosters cross-community excellence by bringing together industrial and academic experts from various disciplines such as cloud computing, business process management, distributed systems, computer networks, wireless and mobile communication networks, grid computing, networking, service engineering, service science and software engineering.

This year's scientific track especially sought reports of novel ideas and techniques that enhance service-oriented computing as well as reflections on current research and industrial practice towards a future converged Internet by scoping the Call for Papers around the following four topics:

- Business Services: dealing with ideas and techniques that allow expressing, understanding, representing, and managing business processes in a service-oriented manner
- Cloud Computing: discussing the potential of emerging techniques and technologies to contribute to a European Cloud Computing Strategy
- Security, Privacy and Trust: taking us from a fragile current Internet to a trustworthy Future Internet bridging the virtual and physical worlds
- Service Engineering Fundamentals: dealing with topics around fundamental engineering techniques that allow us to move toward a Future Internet Service Infrastructure

The ServiceWave program features high-quality contributions from the above-mentioned research areas. In addition to the presentations of the peer-reviewed papers (each submitted paper was reviewed by at least three reviewers) the ServiceWave program included 14 invited scientific track presentations and three invited presentations held in a dedicated FI-PPP session. The papers of both types of presentations are included in these proceedings.

Moreover, there was a joint ServiceWave, FIA and FIRE demonstration evening, for which 14 demonstrations were accepted based on a two-page extended abstract as well as a short video of the actual demonstration. Reviewers found the videos especially helpful in forming an opinion about the scope and maturity of each demo. Accepted demonstrations cover a wide spectrum of technology and application domains.

Above all, ServiceWave was a collaborative effort. First of all, we would like to thank the authors for providing the content of the program. We would like to express our gratitude to the Program Committee and external reviewers, who worked very hard in reviewing papers and providing suggestions for their improvements.

We would also like to thank the organizers of the two full-day workshops EDBPM and OCS as well as the four half-day workshops CT4CS, NESSOS, MONA+ and WAS4FI, which were held on the last day of the conference, for their effort. We also thank Michel Cezon and Andreas Metzger for managing the workshop selection process, Josema Cavanillas for serving as Industry Track Chair, the organizing team from Poznan for hosting the Future Internet week and helping us in setting up the next edition of ServiceWave and last but not least the NESSI team which again did a great job in promoting the event.

Finally, we thank all the sponsors of ServiceWave 2011 who contributed generously to the smooth running of the working conference itself. We hope that you will enjoy reading the proceedings as much as we enjoyed preparing them.

October 2011

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