

AP2PS 2011

Foreword

The Third International Conference on Advances in P2P Systems [AP2PS 2011], held between November 20 and 25, 2011 in Lisbon, Portugal, was a dedicated forum for academic researchers and industrial practitioners to present and discuss the latest architectures, protocols, applications and innovative ideas in the field of overlay and peer-to-peer networking.

Peer-to-peer systems have considerably evolved since their original conception, in the 90's. The idea of distributing files using the user's terminal as a relay has now been widely extended to embrace virtually any form of resource (e.g., computational and storage resources), data (e.g. files and real-time streams) and service (e.g., IP telephony, IP TV, collaboration).

Robustness, resilience and autonomic management are the key evolutionary step which makes them best fitted in dynamic, large-scale, decentralized environments. Peer-to-Peer systems provide network applications the opportunity to leap over the boundaries of the standardized and best effort protocols and the constraints of administrative domains.

We take here the opportunity to warmly thank all the members of the AP2PS 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 who dedicated much of their time and efforts to contribute to AP2PS 2011. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

Also, this event could not have been a reality without the support of many individuals, organizations, and sponsors. We are grateful to the members of the AP2PS 2011 organizing committee for their help in handling the logistics and for their work to make this professional meeting a success.

We hope that AP2PS 2011 was a successful international forum for the exchange of ideas and results between academia and industry and for the promotion of progress in the field of P2P systems.

We are convinced that the participants found the event useful and communications very open. We also hope the attendees enjoyed the historic charm of Lisbon, Portugal.

AP2PS 2011 Chairs:

Marco Aiello
Nick Antonopoulos
Giuseppe Di Fatta
Anders Fongen
Takahiro Hara
Yasushi Kambayashi
Antonio Liotta
Christoph Schuba
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Quang Hieu Vu
Ouri Wolfson