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**The Fourth International Conference on
Advances in P2P Systems
AP2PS 2012**

September 23-28, 2012 - Barcelona, Spain

<http://www.iaria.org/conferences2012/AP2PS12.html>

Important deadlines:

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| Submission (full paper) | May 7, 2012 |
| Notification | June 23, 2012 |
| Registration | July 7, 2012 |
| Camera ready | July 7, 2012 |

Tracks:

Architectures and protocols

Search protocols; Publish and subscribe systems; Overlay based multicast; Multilayer systems; Locality awareness; Gossip-based and epidemic protocols; Integration with network operators and service providers; Autonomic computing and networking; Semantic P2P; Opportunistic networking

Applications

Content delivery networks; Cloud computing; Public resource computing; Aggregate computing; Web services; Computational, service, and storage Grids; Voice and video streaming and IPTV; Collaborative platforms and social networks; Network management; Wireless sensor networks; Scientific computing and workflow management systems; Green computing

Prototypes and simulations

Implementations; Comparative performance analysis; Dependability, resilience and availability; Scalability; Stability; Benchmarking and optimization; Quality of experience

Security, trust and reputation

Privacy & Anonymity; Trust and reputation management; Free-riding prevention; Authentication and identity management; Fairness and Incentive models; Virtual economies; Digital rights management; Content filtering

P2P and wireless convergence

P2P in cellular networks; P2P in wireless networks; P2P in ad hoc networks; Integrated approaches; Energy efficiency