AICT 2013

The Ninth Advanced International Conference on Telecommunications

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AICT 2013

Forward

The Ninth Advanced International Conference on Telecommunications (AICT 2013) held on June 23 - 28, 2013 - Rome, Italy, covered a variety of challenging telecommunication topics ranging from background fields like signals, traffic, coding, communication basics up to large communication systems and networks, fixed, mobile and integrated, etc. Applications, services, system and network management issues also received significant attention.

We are witnessing many technological paradigm shifts imposed by the complexity induced by the notions of fully shared resources, cooperative work, and resource availability. P2P, GRID, Clusters, Web Services, Delay Tolerant Networks, Service/Resource identification and localization illustrate aspects where some components and/or services expose features that are neither stable nor fully guaranteed. Examples of technologies exposing similar behavior are WiFi, WiMax, WideBand, UWB, ZigBee, MBWA and others.

Management aspects related to autonomic and adaptive management includes the entire arsenal of self-ilities. Autonomic Computing, On-Demand Networks and Utility Computing together with Adaptive Management and Self-Management Applications collocating with classical networks management represent other categories of behavior dealing with the paradigm of partial and intermittent resources.

E-learning refers to on-line learning delivered over the World Wide Web via the public Internet or the private, corporate intranet. The conference considered how, when and where e-learning helps to solve the training needs, what the challenges of creating and managing vast amounts of e-learning are, how the upcoming IT technologies influence e-learning and how the Web based educational materials should be developed to meet the demands of the long-life, motivated and very often self-directed students.

The conference also addressed teletraffic modeling and management. It covered traffic theory, traffic control and QoS, performance evaluation methods, network design and optimization of wired and wireless networks, and simulation methodology for communication networks.

We take this opportunity to thank all the members of the AICT 2013 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 the AICT 2013. We truly believe that, thanks to all these efforts, the final conference program consists of top quality contributions.

This event could also not have been a reality without the support of many individuals, organizations, and sponsors. We are grateful to the members of the AICT 2013 organizing committee for their help in handling the logistics and for their work to make this professional meeting a success.

We hope that AICT 2013 was a successful international forum for the exchange of ideas and results between academia and industry and for the promotion of progress in telecommunications.

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

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