



Call for Papers

Wireless Personal Communications, Springer

Special Issue on: “Research Trends and Challenges for Network-based ICT Systems”

The convergence of information and communication technologies (ICT), have resulted into significant changes for our network infrastructures. We have witnessed an evolution from a small number of interconnected computer networks to a global socio-technical infrastructure, where people communicate and interact spontaneously in cyberspace and with the cyber physical world, create content and share knowledge over a network of heterogeneous networks. The rapid growth and the emergence of new architectures and a myriad of novel “smart” applications and services. The above-mentioned changes have motivated the development of novel protocols, algorithms, models, tools, techniques and methodologies in order to achieve the desired cooperation and design of network-based ICT architectures for the delivery of smart, secure and robust applications. This special issue will provide an in-depth research study of the latest trends and challenges for network-based ICT systems by commissioning high quality original papers on the theoretical and practical aspects of the selected theme that can bring about novel ideas and directions for the relevant scientific industrial and academic community and developers.

Topics

Original unpublished contributions, and not currently under review to another journal or conference, are solicited in relevant areas including, but not limited to, the following:

- Tools and Techniques for Monitoring of Network-based ICT Systems
- Performance Parameters and Traffic Analysis in Network-based Systems
- Simulation, Modeling and Performance Evaluation of IP-based Applications (e.g., Web, Gaming, VoIP, Multimedia Streaming)
- QoS and QoE
- Trust, Privacy and Security Issues
- Cryptography, Defense and Anomaly Detection in network-based systems
- Design and Development of Security Mechanisms
- Energy Efficiency in Network-based Systems
- Convergent Networks
- Next Generation Networks
- Emerging Internet Technologies

Submission

The manuscripts for this special issue have to be submitted in the form of a PDF file to any of the Guest Editors (CC to all) using the subject ”SI_RTC4ICT_2014”.

Guidelines for preparation of the manuscripts are provided at the Wireless Personal Communications journal website, <http://www.springer.com/11277>. The submission must include the title, abstract of your paper, and all the authors' names, affiliations and emails. All papers will be rigorously reviewed based on the quality: originality, high scientific quality, organization and clarity of writing, and support provided for assertions and conclusion. Papers presented in conferences should be substantially enhanced for consideration (more than 30%

new contents) and should be declared at the time of submission. The conference version also must be attached along with the main manuscript. All manuscripts should include a cover letter containing a clear indication that the submission is for the Special Issue on Research Trends and Challenges for Network-based ICT Systems.

Important Dates

Paper Submission Due: September 30, 2014

Notification of Acceptance/Revision/Rejection: November 30, 2014

Revised Paper Submission: January 15, 2015

Final Decision Notification: February 15, 2015

Final Paper Submission: March 15, 2015

Publication Date: September 2015

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