

WWIC 2014

The 12th International Conference on Wired & Wireless Internet Communications

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<http://www.lissi.fr/wwic2014>

CALL FOR PAPERS

The Internet is being extended beyond its traditional boundaries (i.e., areas with network infrastructure) through gradually incorporating a wide-range of challenging networks and autonomous devices. From traditional wireless networks to opportunistic networks of mobile devices in urban environments and deep-space communications, the new approaches require an efficient integration with the traditional wired infrastructure. The need for novel all-weather protocols, clean-slate or evolutionary architectures, merging and assembling of different network technologies, unified operation and management of the heterogeneous components and supports for new multimedia services are only few examples of the wide range of technologies building-up this new global network. WWIC addresses research topics such as the design and evaluation of protocols, the dynamics of the integration, the performance tradeoffs, the need for new performance metrics and cross-layer interactions. The goal of the conference is to present high-quality results in the field, and to provide a framework for research collaboration through focused discussions that will designate future research efforts and directions.

The proceedings will be published by Springer in the series Lecture Notes in Computer Science. The maximum size of papers should be 14 pages including tables and figures. The cover page must contain an abstract of at least 70 and at most 150 words, 3-5 keywords, name and affiliation of author(s) as well as the corresponding author's e-mail and postal address. In your submission, please adhere to the formatting standard for a 14-page manuscript of Springer-Verlag. There you will find templates for preparing the submission using either LaTeX (recommended) or Microsoft Word. Notice that in the submission phase we only accept a PDF document produced from the properly formatted original editable document.

We solicit papers addressing areas in:

- **Next Generation Services**
 - Software Defined Network
 - Blended network configurations
 - Networking Cloud and data center computing
 - Content-centric networking
 - Delay/disruptive tolerant and opportunistic network
 - Green networking
 - Routing in mobile and opportunistic networks
 - Simulation for next generation mobile networks
 - Technologies beyond 4G networks
 - User-centric networking
- **Resource Management**
 - End-to-end Quality of Service support
 - Quality of Experience for Internet Applications
 - Handover techniques
 - Interactions between wireless and optical networks
 - Performance evaluation of challenging networks
 - QoS signalling in mobile environments
 - Resource management and admission control
 - Traffic engineering
 - Unified management of integrated challenging networks
 - Virtual and overlay networks
- **Wireless and Wired Networks**
 - Heterogeneous wireless access networks
 - Hybrid wired / wireless environments
 - Integration of wired and wireless networks
 - Network design and network planning
 - Network mobility and mobility management
 - Network coding in mobile networks
 - Network security in mobile environments
 - Vehicular networks
 - Wireless mesh networks
 - Wireless multimedia systems
 - Wireless network monitoring
 - Wireless sensor networks
- **Network Architecture & Applications**
 - Cross layer design and optimization
 - Modeling of heterogeneity aspects
 - Space internetworking
 - Economical issues of challenging networks
 - Mobile service level agreements / specifications
 - Pricing, charging and accounting
 - Service creation and management
 - Traffic characterization and modeling
 - Transport protocols and congestion control

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Important dates:

Paper submission: **February 15, 2014**
Acceptance notification: **March 20, 2014**
Camera-ready deadline: **April 1, 2014**
Author registration due: **April 15, 2014**

Workshops: A number of workshops will be co-located with the conference. Proposals should be sent to the workshop chairs xxxx (email) and zzzzz (email) by December 20, 2013. Information on workshops, submission deadlines and all other details will be posted on the conference website.

Tutorials: Proposals are solicited for half day tutorials. A proposal (no more than 4 pages) should describe the significance, scope, and covered topics. Proposals should be sent to the tutorial chairs xxxxx (email) and zzzzzzz (email) by February 15, 2013. Further information regarding the submission (format, proposal structure) will be posted on the conference website.