Call for Papers
Telecommunication Systems Journal
Special Issue on “Socio-economic Issues of Next Generation Networks”

Recently, there has been an increasing interest in the socio-economic aspects of networked systems. As an example, several initiatives from European Union and USA promote economic incentives as a first-order concern in future network design. The resulting combination of technical and economic perspectives drives many relevant research topics for application developers, business architects, network providers, service providers, and customers. Especially the identification of novel service charging solutions, the investigation and evaluation of their technical feasibility, and the consolidation of technical and economic mechanisms for enabling a fast, guaranteed, and efficient charging of services is of fundamental importance for the future evolution of the Internet and the telecommunications business.

In addition, the networking community has also witnessed a significant change in networking paradigms: from network-centric to user-centric networking. In terms of “Quality”, while technical QoS parameters are still important, user perception and expectations, in other words Quality-of-Experience (QoE), now increasingly attract the attention of manufacturers, operators, and researchers alike. As a result, understanding the impact of end-users’ behavior on the operation as well as the business of the current Internet is crucial for designing a successful Next Generation Internet.

Authors are invited to submit new and unpublished work on issues related to, but not limited by, the following list of topics:

- Telecommunication Economics
- Charging for QoS, QoE, and security
- Service charging models, including Grid and Web services
- Security mechanisms for charging and accounting
- Network economics and economic models for the Internet
- Economic traffic management mechanisms
- Pricing mobile and wireless services
- Cost, business, and competition models for providers
- Fairness issues
- Modeling and analysis of user behaviors
- Trust and privacy management in networked systems
- Regulatory effects on networks and infrastructure
- Network neutrality

Important Deadlines:

Submission Deadline: 31 May 2010
Notification of Acceptance: 31 October 2010
Final Version Due: 15 December 2010

Submission by email to tsj-si-economics@listes.irisa.fr in PDF only.

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