

## Call for Papers

### JCN SPECIAL ISSUE ON

## NEUTRALITY IN COMMUNICATION NETWORKS

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The Internet is a conglomeration of several network service providers. The monetary interactions among them, and with other users of their services, are largely governed by their economic interests and can impact the socio-economic role of the Internet. Thus, it is necessary to study the interplay between various entities in the Internet, and understand the influence of pricing strategies of an entity on those of the others, and the effects on end users. The past few years have seen many public debates and legislation initiatives concerning access to the global Internet. Some of the central issues concerned the possibility for the Internet service providers (ISPs) to offer preferential treatment to content providers (CPs) at a premium. Much of this debate took place in anticipation of the legislation over Network Neutrality, and several public consultations were launched in 2010 (e.g., in the USA, France, and the E.U.). Network Neutrality (net neutrality in short) asserts that packets should not be discriminated based on their origin, destination or the protocol used. Two of the important issues concerning traffic discrimination are (i) whether an ISP should be allowed to charge CPs in order to reach its end users, and (ii) whether an ISP can have an exclusive agreement with a CP leading to the CP getting preferential services over the ISP's network.

The objective of this special issue is to invite authors to submit original manuscripts that demonstrate and explore current advances in various aspects of net neutrality in communication networks, including but not limited to:

- ✓ Analysis of neutral and non-neutral pricing schemes related to Internet access
- ✓ Analysis of collusions between CPs and ISPs
- ✓ Incentives for investments in infrastructure under neutrality and under non-neutrality
- ✓ Other aspects of neutrality vs. non-neutrality such as neutrality in search engines
- ✓ Measuring and detecting non-neutral behavior
- ✓ Analysis of vertical and horizontal integration
- ✓ Neutrality issues in the cloud, network function virtualization (NFV)

Continuing JCN's tradition of fast turnaround together with full peer reviews, a tentative schedule is set as follows:

<b>April 15, 2016</b>	Electronic manuscript (.ps or .pdf) submission to JCN website [An earlier note to editors with intent to submit will be appreciated.]
<b>July 15, 2016</b>	Reviews returned to authors. Papers will be either accepted, rejected, or returned to the authors with requests for changes
<b>September 1, 2016</b>	Final revised manuscript due
<b>December 5, 2016</b>	Special Issue published

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Electronic submissions should be made through <http://mc.manuscriptcentral.com:80/jcommnet>. Information about submissions is available on the JCN web site, <http://mc.manuscriptcentral.com/jcommnet>. Please direct inquiries and intent to submit notifications to the Lead Guest Editor (email: [eitan.altman@inria.fr](mailto:eitan.altman@inria.fr)).

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