

Journal of High Speed Networks
Special Session on:

***High Performance Networking in Cloud, Big Data and Critical
systems
(HPNCBC)***

Call for Papers

Networking is an important issue in high scale, high efficiency computer based architectures. Organization, management and performances of networks crucially influence the efficiency and the potential exploitation of state of the art computing facilities, such as Cloud, Multicloud, Hybrid cloud systems, as well as special distributed architectures (e.g. cyberphysical systems, high energy physics data collection and management computer based support...). Designing and assessing networks in primis, and the systems they support in secundis is a fundamental challenge for researchers and practitioners: modeling, analysis and evaluation tools and methodologies are the key that should be leveraged to turn complexity into opportunities.

This special session aims at presenting modeling approaches for and applications of networking in high performances computer based systems.

Recommended topic areas include, but are not limited to:

- Simulation and analytical models of networks for high scale systems
- Cloud networks
- Networks for multicloud and hybrid cloud systems
- Networking in special high performance applications
- Networking in architectures with critical specifications
- Performance evaluation of architecturally complex networked computer based systems

Submission

The submitted papers must be original and must not be under consideration in any other venue. This special issue is open for any submissions, but the main target audience will be the papers accepted on the High Performance Modeling and Simulation (HiPMoS 2016, <http://www.dem.unina2.it/hipmos>) organized in conjunction with 30th edition of the European Conference on Modeling and Simulation (ECMS 2016, <http://www.scs-europe.net/conf/ecms2016>).

Each paper, if already presented in a preliminary form at a conference, should be genuinely extended by at least 40%, with new contributions/results respect to the previous paper (e.g the one submitted to the conference).

The title, figures, tables, and paragraphs of each paper should not be same from the conference version.

Each paper should cite its previous version, if any, while clearly describing the main difference between it and the preliminary version.

Manuscripts must be prepared according to the usual standards for submission to JHSN; see the Information for Authors in: <http://www.iospress.nl/journal/journal-of-high-speed-networks/>

Manuscripts must also be uploaded through JHSN's electronic submission system: <http://mstracker.com/submit1.php?jc=jhsn>. Please specify that the manuscript is for the HPNCBC special session.

All submissions will be reviewed by at least three independent reviewers. The editors will approve final decisions on accepted papers.

Tentative schedule

Manuscript Due	September 1st, 2016
First Decision Date	December 1st, 2016
Revision Due	January 15th, 2017
Final Decision Date	February 15th, 2017
Publication	June 2017 (planned)

Guest Editors

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