



CALL FOR PAPERS

Special Issue of Elsevier Computer Communications on
Self-Organization and Self-Management in Communications –
Taking Vital Steps Towards Realizing Autonomic Networking

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Scope :

Authors are invited to submit detailed technical manuscripts reporting recent developments in the topics related to the special issue. Note the special emphasis on *networking* – this special issue is devoted to exploring how autonomic principles are being applied directly to networking infrastructure for governing services and resources made available by the network, as well as how new components and devices join, leave, and organize themselves into integrated or loosely connected separate networks. Some suggested topics include but are not limited to:

- Bio-inspired networking architecture and communications;
- Resilient communication systems;
- Semantics and context awareness of communication services;
- Dynamic adaptation of network resources and services based on changing context;
- Policy-based self-organization and –governance architectures;
- Self-managing networking (emphasizing how business *drives* network services and resources);
- Self-regulating and self-adapting network security;
- Network mining and decision making;
- Knowledge representation to capture network semantics and enhance knowledge sharing and reuse;
- Knowledge-based systems for managing networks;
- Killer applications in autonomic network management;
- Tools and techniques for automating network management.

Submission Format and Review Guidelines:

The submitted papers must be written in English and describe original research not published nor currently under review by other journals or conferences. Parallel submissions will not be accepted. All submitted papers, if relevant to the theme and objectives of the special issue, will go through an external peer-review process. Submissions should include an abstract, 5-10 key words, and the e-mail address of the corresponding author. The paper length should not exceed 30 double-spaced pages including figures and references on 8.5 by 11 inch paper using at least 11 point font. For more information, please contact guest co-editors.

Guest Editors:

Prof. José Neuman de Souza
Federal University of Ceará, Brazil
Dept. of Computer Science
Fortaleza, Ceará, Brazil
Email: neuman@ufc.br
Http: www.lia.ufc.br/~neuman

Prof. John Strassner
Motorola Fellow and Vice President,
Autonomic Networking
Motorola Labs
1301 East Algonquin Road
Mail Stop IL02-2240
Schaumburg, IL 60010 USA
Phone: +1.847.576.2182
Email: john.strassner@motorola.com

Important Dates:

Paper submission due:
01 October, 2007
Acceptance notification:
03 January, 2008
Camera-ready due:
01 April, 2008
Publication date:
Fall 2008

Submission Guideline:

All manuscripts and any supplementary material should be submitted to Elsevier Editorial System (EES). The potential authors must register in the system and select “Autonomic Networking” when they reach the “Article Type” step in the submission process. The EES website is located at <http://ees.elsevier.com/comcom/>.