

CALL FOR PAPERS

Special Issue on Autonomic Communications

The explosion in the size of communication networks, including the Internet, and their increasing diversity, and the ever increasing burden imposed on communication networks by pervasive computing and the Internet of Things, means that networks that are statically organized are unable to cope with ever changing conditions. The speed at which conditions change are also making it very difficult, and extremely expensive, to rely on human intervention to provide the adaptation that is constantly needed. Autonomic Communications, and the underlying Autonomic Computing, with their requirements for system Self-Awareness, Learning and Adaptation, Self-Healing, and Adaptive QoS, offer a way forward to address this dilemma. Thus since the early 2000's significant work has been carried out both in research environments and in industry to define the principles and main component technologies for Autonomic Communications. Worldwide, numerous research projects have been conducted in this area, including in a series of successful EU FP6 and FP7 projects.

Thus our journal is calling for original and unpublished contributions to this important area that will be refereed. Selected papers will appear in a Special Issue to be published in September of 2013. Original and unpublished papers should be submitted by 1st of May, 2013 in the form of pdf files in IEEE format according to the formatting instructions available at http://www.ieee.org/publications_standards/publications/authors/authors_journals.html#sect2.

Submissions should be sent in the form of an email attachment to the Special Issue Editor Prof Erol Gelenbe at the following address: e.gelenbe@imperial.ac.uk. Authors will be informed of acceptance or rejection before the 1st of June 2013, and papers in final form will be due on 1st July 2013. Papers rejected for the Special Issue, may later be revised and resubmitted for consideration as regular papers in the Infocommunications Journal.

Guest Editor:

EROL GELENBE is the Professor in the Dennis Gabor Chair at Imperial College, London, and has actively developed the field of Autonomic Communications. His other areas of interest include neuronal networks and bioinformatics, performance engineering, energy modeling for computer systems and networks, and network security. He currently leads the EU FP7 Project NEMESYS on mobile network security. He participates in the ECROPS project on energy savings in computing and communications, and in the European Institute of Technology Project on Smart Networks at the Edge. A Fellow of IEEE and ACM, he was elected to Foreign Membership of the Hungarian Academy of Sciences, and is a member of the French National Academy of Engineering and of the Science Academy of Turkey.

