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Special Issue on Networking Coding and Applications

Network coding has attracted significant interest from the research community in recent years. It advocates a fundamental shift in the way communication networks are designed since it allows nodes in the network to code packets besides simply forwarding them. The first theoretical results were followed by a wealth of activities that exploit the basic idea in practical algorithms and protocols. Network coding was shown to be a versatile technique that can improve performance in a number of different areas of computer communications and networking. For example, it has been successfully applied to wireless network protocols to improve throughput. In addition, network coding may be used to increase robustness and reduce latency, energy consumption, and storage requirements.

This special issue seeks high-quality articles that address both theoretical aspects of network coding as well as practical protocols and algorithms. Areas of interest include but are not limited to:

- Network architectures for network coding
- Algorithms and protocols for network coding
- Wireless ad hoc networks
- Sensor networks
- Physical layer network coding
- P2P communication
- Network coding for storage
- Network coding for energy efficiency
- Network coding for network security
- Joint source coding and network coding

Submission

Submitted papers must be original and not have been previously published or currently submitted for journal publication elsewhere. Papers, which have appeared previously in proceedings of conferences, could be submitted to this special issue if they are substantially revised or improved from their earlier versions. The full paper should ideally not exceed 14 single-space pages of A4, including illustrations and tables. Submissions must be directly sent via email to GE <anargyr@ieee.org>. Please identify your submission in the email subject line "Submission - JCM Special Issue". Complete guidelines for prospective authors can be found on-line at <http://www.academypublisher.com/jcm/forauthors.html>.

Important Dates

Submission Due Date	April 30, 2009
Notification of Acceptance	May 30, 2009
Submission Due Date of Revised Paper	June 30, 2009
Tentative Publication Date	4th Quarter, 2009

Guest Editors

Antonios Argyriou, Philips Research, The Netherlands
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