



# The 9<sup>th</sup> IEEE International Symposium on Network Computing and Applications (NCA10)

15 – 17 July 2010 (Thursday – Saturday)

Hotel Marlowe

www.ieee-nca.org

Cambridge, MA, USA

## CALL FOR PAPERS

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## Symposium

The IEEE International Symposium on Network Computing and Applications is seeking articles concerning fundamental research and practical experience reports. The topics of interest include, but are not limited to:

- High Speed Networks/Protocols and Middleware
- Routing Mechanisms
- Overlay Networks/Peer-to-Peer Systems
- Local and Wide-Area Networking Protocols
- Mobile Ad-Hoc Networks (MANET)
- Network Security
- Dependable Wide, Local, and System Area Networks
- Protocol Verification and Validation
- Autonomic Network Computing
- Cloud computing
- Nano Network Computing
- Computation Intensive Applications in Networked Systems
- System Area Networks (SAN)/Clusters
- Performance Modeling/Quality of Services (QoS) Issues
- Web Caching and Switching
- Network Processors
- Sensor Networks
- Intrusion-Tolerant Systems
- Scalable and Dependable Servers
- Middleware for Dependable Network Computing
- Self\*(configuring, healing, optimizing, protecting)
- Programming Environments for Distributed Systems
- e-Commerce

## Workshops

The IEEE International Symposium on Network Computing and Applications is organizing the following workshops:

### **Adaptive Cloud & Grid Computing (AGC)**

- Dynamically forming virtual organizations
- Adaptive infrastructure for cloud computing
- Dynamic reconfiguration in the presence of anomalies in the Cloud computational infrastructures

### **Interconnection Networks for Multicore Chips (INMC)**

- Networked-Driven Multicore Chips
- Low power on-chip networks for MultiCore chips
- Reliability, testing and variability of Multicore Chips

### **Trustworthy Network Computing (TNC)**

- Methods for assessing trade-offs in trustworthy system design (e.g., security and performance trade-offs)
- Composing untrustworthy computing platforms for trustworthy multiparty computations
- Seamless and virtual capabilities to achieve dynamic reconfiguration, self-healing, and non-stop operation

## Important Dates

Papers Due	Monday, 1 March 2010
Authors Notified	Thursday, 1 April 2010
Camera-Ready Papers Due	Friday, 30 April 2010

## Submission Requirements

- Submitted manuscripts must not have been previously published or currently submitted for publication elsewhere and must be cleared for publication in the NCA10 Proceedings, which will be published by the IEEE Computer Society Press.
- The manuscript must be written in English.
- The manuscript must not exceed 8 pages.
- Manuscript templates are available at [www.ieee-nca.org](http://www.ieee-nca.org). Follow the Manuscript Submission link.
- The submission must be in PDF format.
- To submit a manuscript, visit [www.ieee-nca.org](http://www.ieee-nca.org) and follow the submission guidelines.