



The 11th IEEE International Symposium on Network Computing and Applications (NCA12)

23 – 25 August 2012 (Thursday – Saturday)

Hotel Marlowe

www.ieee-nca.org

Cambridge, MA, USA

CALL FOR PAPERS

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:

- Theory of Network Computing
- High Speed Networks/Protocols and Middleware
- Routing Mechanisms
- Overlay Networks/Peer-to-Peer Systems
- System Area Networks (SAN)/Clusters
- Performance Modeling/Quality of Services (QoS) Issues
- Web Caching and Switching
- Network Processors
- Network Security
- Dependable Wide, Local, and System Area Networks
- Intrusion-Tolerant Systems
- Scalable and Dependable Servers
- Middleware for Dependable Network Computing
- Self*(configuring, healing, optimizing, protecting, organizing, aware) platforms for Network Computing
- Seamless and virtual capabilities to achieve dynamic reconfiguration, self-healing, and non-stop operation
- Network Protocol Verification and Validation
- Autonomic Network Computing
- Cloud Computing: Optimizing the Cloud (path, communication, application, etc.)
- Autonomic Cloud Computing: Secure Cloud Applications and Platforms, Ensuring Site and Application Availability
- Mobile Ad-Hoc Networks (MANET)
- Sensor Networks
- Programming Environments for Distributed Systems
- e-Commerce
- Practical Experiences and Prototypes

Workshops

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

Adaptive Cloud & Grid Computing (ACGC)

- Dynamically forming virtual organizations
- Adaptive infrastructure for grid computing
- Dynamic reconfiguration in the presence of anomalies in the cloud & infrastructure

Interconnection Networks for Multicore Chips (INMC)

- Network-driven multicore chips
- Interconnection networks: fault tolerance, scalability and performance analysis
- Caching and virtualization in on-chip networks for multicore chips
- Low power on-chip networks for multicore chips

Important Dates

Papers Due

Saturday, 28 April 2012

Authors Notified

Wednesday, 16 May 2012

Camera-Ready Papers Due

Monday, 4 June 2012

Submission Requirements

- Submitted manuscripts must not have been previously published or currently submitted for publication elsewhere and must be cleared for publication in the NCA 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 for NCA papers or 4 pages for workshop papers.
- Manuscript templates are available at 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 and follow the submission guidelines.

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