

IEEE NCA 2016

Cambridge, MA, USA—October 31—November 2, 2016

Call for Papers

IMPORTANT DATES

- TITLE AND ABSTRACT DUE: 15 Aug 2016
- FULL PAPER DUE: 20 Aug 2016
- ACCEPTANCE NOTIFICATION: 10 Sep 2016
- CAMERA READY PAPERS: 20 Sep 2016
- AUTHOR REGISTRATION: 26 Sep 2016

WORKSHOPS

Adaptive Cloud Computing (ACC)

- Dynamically forming virtual organizations
- Adaptive infrastructure for cloud computing
- Dynamic reconfiguration in the presence of anomalies in the cloud & infrastructures
- Security protocols in the Cloud infrastructure
- Homomorphic Encryption

Interconnection Networks for Multicore Chips (INMC)

- Networked-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

ABOUT NCA

NCA is a successful series of conferences that serves as a large international forum for presenting and sharing recent research results and technological developments in the fields of Network and Cloud Computing. NCA, which is sponsored by the IEEE Computer Society, reaches out to both researchers and practitioners, and to both academia and industry. The conference features keynotes, technical presentations, and workshops.

TOPICS of INTEREST

- Theory of Network Computing
- Autonomic Network Computing
- Content Delivery Network (CDN)
- 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
- Dependable Wide, Local, and System Area Networks
- Network Security
- Intrusion-Tolerant Networked Systems
- Scalable and Dependable Servers and Data Centers
- Middleware for Dependable Network Computing
- Self* (configuring, healing, optimizing, protecting, organizing, aware)
- Platforms for Network Computing
- Network Protocols: Verification and Validation
- Autonomic Network Computing for achieving self* properties and applications availability
- Seamless and virtual capabilities for implementing self* properties
- Software Defined Networking (SDN): Principals and Implementation
- Designing highly-available and secure SDN
- Network Functions Virtualization (NFV): Design and Optimization
- Network Cloud Computing
- Machine Learning techniques for Cloud Resources Management
- Big Data in Clouds for IoT
- Future Internet and Communicating Objects
- Mobile Ad-Hoc Networks (MANET)
- Sensor Networks
- Fog/Edge Computing
- Energy-efficient computation and communication
- Applications to Real and/or Complex Problems, Practical Experiences and Prototypes
- Programming Environments for Distributed Systems

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