IEEE NCA 2018

Cambridge, MA, USA 31 October 2018 - 2 November 2018

Call for Papers

IMPORTANT DATES

- TITLE AND ABSTRACT DUE: 15 JUN 2018
- FULL PAPER DUE: 1 JUL 2018
- ACCEPTANCE NOTIFICATION: 20 AUG 2018
- CAMERA READY PAPERS: 7 SEP 2018
- AUTHOR REGISTRATION: 15 SEP 2018

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 practioners, 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): Principles 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
Cryptocurrencies, Blockchain and Distributed Ledgers
Bysantine Fault Tolerance
Web and Mobile Security

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