

Call for Papers

IEEE International Workshop on Cloud Computing Systems, Networks, and Applications (CCSNA)

Supporting organizations: IEEE Communications Society, IEEE Technical Subcommittee on Green Communications and Computing, IEEE Special Interest Group on Green Data Center and Cloud Computing, IEEE Technical Committee on Multimedia Communications, IEEE Technical Committee on Cognitive Networks

Organizing Committee:

General Chairs:

- Jinsong Wu, Bell Laboratories, China
- Andy Rindos, IBM Research, USA
- Moshe Zukerman, City University of Hong Kong, Hong Kong

Technical Program co-Chairs:

- Chuan Heng Foh, University of Surrey, UK
- Periklis Chatzimisios, Alexander TEI of Thessaloniki, Greece
- Yaser Jararweh, Jordan University of Science and Technology, Jordan

Invited Speaker and Panel co-Chairs:

- Daniel C. Kilper, Columbia University, USA
- Abdallah Khreishah, New Jersey Institute of Technology, USA
- Nabil J. Sarhan, Wayne State University, USA

Publication and EDAS co-Chair:

- Zuqing Zhu, University of Science and Technology of China, China

Publicity co-Chairs:

- Burak Kantarci, University of Ottawa, Canada
- Luca Foschini, University of Bologna, Italy
- Ranga Rao Venkatesha Prasad, Delft University of Technology, Netherlands
- Christos Kouroupetroglou, Alexander TEI of Thessaloniki, Greece
- Fen Hou, University of Macau, Macau, China

Paper Submission

Submitted papers must represent original material which is not currently under review in any other conference or journal and has not been previously published. Paper length should not exceed six-page standard IEEE conference two-column format without incurring additional page charge. Only one additional page is allowed with a charge of USD100, if accepted. All accepted and presented papers will be included in the IEEE GLOBECOM 2013 proceedings and IEEE digital library. IEEE reserves the right to exclude an accepted and registered but not presented paper from the IEEE digital library.

EDAS paper submission web link:

<https://www.edas.info/newPaper.php?c=14939>

Best papers will be invited for Special Issues in

- International Journal of Distributed Sensor Networks (SCI-indexed)
- Network Protocols and Algorithms (SCI-indexed to be announced)
- International Journal of Cloud Applications and Computing (ACM Digital Library indexed)

Important dates

Paper submission due: **June 30, 2013**
Acceptance notification: **September 1, 2013**
Camera-ready due: **October 1, 2013**
Workshop date: **December 9, 2013**

Scope and motivation:

Cloud Computing Systems offer users flexible accesses to computing, data resources, communication networks, services, and applications. The increasing deployment of cloud applications has created demands for designing a reliable, secured, and efficient cloud system. Cloud applications come with various needs. Some cloud applications require intensive computing resources, while others may emphasize on data storage and with a certain level on data protection. Therefore, it is challenging to design a cloud computing system that can meet various requirements from diverse cloud applications and services. The first International workshop on Cloud Computing Systems, Networks and Applications (CCSNA-2013) will be a forum for scientists, researchers, students, and practitioners to present their latest research results, ideas, and developments in Cloud computing system and network designs that can support existing and future applications and services. Topics of interests for submissions may include, but are not limited to:

Cloud computing systems and networking - principles, designs, analyses, and performance

- Theoretical analysis for cloud systems
- Cloud system and network design
- Optimization for cloud computing, networking, and applications
- Green cloud systems and networking
- Storage, data, and analytics for clouds design and networking
- Virtualization for cloud computing systems and networking
- Modeling and performance analysis for cloud system, network and storage
- Intra-cloud/inter-cloud computing and networking
- Cloud computing architectures and cloud solution design patterns
- Cloud migration, composition, federation, bridging, and bursting
- Cloud provisioning and migration
- Cloud DevOps
- Cloud system design with FPGA, GPU, APU
- Network Programmability, Software-Defined Networking and Virtual Ethernet Switching

Big data, data centers, and cloud managements

- Big data storage and networking
- Real-time resource reporting and monitoring for cloud management
- Cloud quality management and service level agreement (SLA)
- Cloud configuration, performance, and capacity management
- Cloud workload profiling and deployment control
- Autonomic business process and workflow management in clouds
- Collaboration, management, and administration of clouds and services
- Quality of service on clouds and applications, including reliability, availability
- Scalability, performance, and load balance
- Knowledge engineering and data mining techniques and systems on clouds
- Data center network management, reliability, optimization, and bridging
- Distributed data center architectures
- Cloud traffic engineering and control-plane architectures

Cloud services, applications, security, and interdisciplinary topics

- Cloud system and storage security
- Mobile cloud system design
- Cloud media and storage design
- Security, privacy, and compliance management for clouds
- Self-service cloud portal, dashboard, and analytics
- Infrastructure, platform, application, business, social, and mobile clouds
- Security, privacy, and compliance management for public, private, and hybrid clouds
- Innovative cloud applications and experiences
- Economic, business and ROI models for cloud computing
- Mobile-aware networking, protocols, and infrastructures
- Content and service distribution in clouds
- Audit, authentication and authorization in clouds
- Service-oriented architecture in clouds
- Cloud support for IoTs and their services
- Cloud for service discovery
- Image processing and efficient video transmission on clouds
- Multimedia service provisioning on clouds

Surveys

- Surveys on any topics above

Workshop website: <http://cloud.it.teithe.gr>