Call for Papers

Special Session

Cloud Computing, IoT, Data Science and Next Generation Communication Networks

Session Chair: Dr. Mamata Rath

Convener: Dr. Sushree Bibhuprada B. Priyadarshini

International Conference on Computers and Management (ICCM 2018)

G B Pant Govt. Engineering College Okhla Phase-III New Delhi- 110020

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ALL ACCEPTED papers will be included in ELSEVIER-SSRN Digital Library.

Paper Submission Deadline: October 11, 2018

Paper submission Link: https://easychair.org/conferences/?conf=iccm20180

Conference Website: http://www.iccm2018.iaasse.org/

This special session is basically focused on the advance emerging networking technologies and security issues in communication networks. Networking is merged with IoT features which make networking an open source platform for the upcoming technology and user friendly approach. Many applications of wireless ad hoc networks are merged with latest new technologies such as IoT in MANETS, Sensor networks., Opportunistic networks etc. IoT and ad hoc networks together is a big challenge in technology. Security challenges are major concern in IoT appliances. Advance network security algorithms are very useful for such challenges in the new era. The IT Industry/educational/ Research organizations are continuously seeking updates in the networking technologies. In current technology, there is requirement for accurate technical solution for cyber security. This results in the need to develop pioneering managerial, technological and calculated solutions. Increasing mobile device; digital evidence requests in environment monitoring; inter communication of the devices such as 'Internet of Things'; and the cyber-physical attacks, all highlight the broad importance of technology that encourage data intensive environments. This special session focuses on how to enable development and application of these foundations. The objective is to expand scientific concepts, advanced technology and practices that can increase the

protection and reliability of complex computer systems. This special session highlights on cutting-edge research from both academia and industry, with importance on novel contributions, techniques and tools to perceive, reason, learn and act on a wide range of data collected from different attack (or attempts), sophisticated advanced persistent threat campaigns, etc.

Contact Person – Dr. Mamata Rath, mamata.rath200@gmail.com

Dept. of Computer Science & Engineering , C.V. Raman College of Engineering, Bhubaneswar

Contact No – 9853315856

Call for Paper (in the following area, but not limited to)

- Virtualisation technologies,
- Virtual Machine scheduling and management algorithms,
- Cost and pricing models in virtualisation infrastructures,
- Enterprise level infrastructure clouds,
- Solutions that meet demands of HPC clouds,
- Novel IaaS architectures, platforms and applications,
- Virtual Machine migration techniques,
- Big Data and Infrastructure clouds,
- Cloud Computing for scientific applications,
- Cloud computing for compute and/or data intensive applications
- Workflows on the Cloud
- CPU and GPU Clouds, Desktop Grids
- Cloud Computing resource management
- Cloud Computing deployment models

- Digital Media Role
- Web Data Mining
- Text Data Mining
- Web Data Security
- Trend Analysis
- Opinion Mining
- Predictive Data Analytics
- Search Engine Analytics
- Data Mining Trends
- Open Source Data Mining
- Content Analytics
- Business Intelligence
- Web Data Analytics Tools & techniques
- Social Network Analysis (SNA)

- Machine Learning in cryptography
- Pattern recognition
- Image processing
- Speech recognition

- Natural language processing
- Big data
- Game playing
- Real life applications of ML
- Deep learning
- Reinforcement Learning
- Convolution networks
- LSTM model
- ML in malware detection

- Advance networking
- Cloud computing
- Ad hoc networks & Network security
- Wireless network secure routing protocols
- Security threats & attacks
- Opportunistic network security & Re-routing
- Iot & Security
- ASDN & Attacks
- Advance security algorithms