Call for the Papers/Abstracts for the Special Session on

Special Session Theme: Emerging Trends in IoT Applications and Data Management

Session Chairperson: Dr. Ananda Kumar S, Dr.Anthoni Raj

Outline

Communication playing a major role for every human being in day to day life. Initially everyone is struggled for communication, Gradually the Technology made communication simply for everyone with the help of wireless technologies, wireless sensor network, RFID, embedded system, cloud computing hands together made everything in communication like wrist watches, car keys, home appliances and things which is capability of storing, processing, and communicating with each other through internet called as IoT[Internet of Things]. Our theme is focussing on IoT is used for development of various applications like Smart homes, Smart Cities , Health care applications for remote patient monitoring, IoT based Agriculture for the users to control and monitor a broad range of devices. For all the applications huge number of devices will generate a huge number of data and participate in communications, so we need to focus on how this Big data is accesses managed in terms of storage and processing. Almost all the devise are battered powered devices, so needs a proper energy efficient management. The data has to be secured during the Communication process. We welcome authors to present emerging and recent technologies for IoT and its application and research directions unsolved issues in IoT application and data management.

Areas of Coverage (sub-themes)

This special session solicits original, high-quality unpublished research papers in topics including, but not limited to:

- Monitoring and data analytics for IoT applications
- Functional framework for IoT Healthcare
- RFID technology in IoT Healthcare
- Wearable devices and IoT Healthcare applications
- IoT and its application protocols
- Augmented Personalized Health: How Smart Data with IoTs and AI
- Information fusion for IoT
- Machine learning techniques for event predictions in IoT application
- Security, privacy in Internet of Things
- Intelligent decision-making systems for Smart Data in IoT
- Prediction methods for Smart Data applications in IoT
- Open issues for Smart Application Data in IoT
- Energy Efficient Management of IoT Devices
- Energy Efficient Machine Learning and Data Analytics Techniques in IoT for Industry and smart home applications

- Real-time data integration and processing
- Sensor data processing and integration
- IoT based smart city applications
- IoT based Smart home applications
- IoT based Health care applications
- Parallel Processing of IoT Health care Applications
- The social internet of things (SIoT): Concept, architecture and network
- IoT based agriculture applications
- IoT device search in smart city
- Event alert and prediction in smart city
- Intelligent IoT sensing
- Deep learning in IoT
- Integration of Cloud computing and Internet of Things

Paper Submission Process:

Please submit your paper (in word/pdf format) with **'Emerging Trends in IoT Applications and Data Management'** mentioned in the subject line.
Full paper submission by: December 1st, 2019
Notification of acceptance: December 31st, 2019
For any further queries related to this special session,
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Session Chairperson Details

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Dr.S.Anandakumar holds a Ph.D. degree in the field of computer science from VIT University. He possess one decade of experience in teaching and worked as project assistant in IIT Kharagpur. His areas of interest includes QoS in wireless sensor networks, green computing, mobile computing, Ad-Hoc networks, MANET,Data mining. He has published numerous articles in SCOPUS and SCI indexed journals. He presented his articles in various national and international conferences and attended many faculty development programs in order to keep pace with changing teaching environment. He is a member of various scientific and professional bodies. Apart from teaching he is passionate about social services and rural development activities. He has Published more than 15 research Articles in Scopus and Impact factor Journal. He is in editorial board for some peer review journals.

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