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Call for Papers

Special Session: Emerging Trends in Data Science & IoT

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Introduction:

The amount of data being generated is enormous with the advent of smart technologies clubbed with Internet of Things (IoT) that envisions thousands of constrained devices with sensing, actuating, processing, and communication capabilities able to observe the world with an unprecedented resolution. The big data so generated is being optimized by various statistical and learning algorithms for achieving compression and removing redundancy, sorted data is analyzed for deductions for improvement in working technologies and future predictions. Data has become an epitome of every business and is among the most valuable commodity in present scenario. This has given rise to the concept of keeping the data secured and hence has given a potential boost to research areas that include data science, IoT and Information Security and there integrations. This special session covers all aspects on issues arising related to Data Science, IoT and Information Security. This special session welcomes relevant paper submissions from researchers in academia, industry, and government, such as students, engineers, practioners, scientists, and policy makers.

Recommended Topics :

This special session welcomes not only original technical and scientific research results but also technical surveys in relevant topics **but not limited to:**

- Data Science for smart cities and smart homes
- Data Science with and for smart grids
- Data Science with Internet of Things/cyber-physical systems
- Data Science for biological, biomedical, and health science and technologies
- Data Science for social networks
- Data Science for multimedia and image processing
- Data Science models, theories, algorithms, approaches, solutions
- Machine learning, data mining, web mining, and graph mining
- Information Security architecture, infrastructure and platforms
- Information Security management, and operations
- Issues in Information Security
- Cloud datacenter architecture and networking
- Cloud federation, bridging, and bursting
- Fog/edge computing
- Cloud and fog computing for IoT
- IoT-Fog-Cloud interactions and protocols
- Deployment strategies in IoT: coverage and connectivity issues and challenges
- IoT for smart manufacturing (industry 4.0) and smart spaces
- IoT big data and predictive analysis
- Innovative routing and scheduling protocols