

The 6th IEEE International Conference on Smart Data (SmartData - 2020)

Rhodes Island, Greece

November 02 - 06, 2020

Smart Data

Smart data aims to filter out the noise data and produce valuable data, which can be effectively used by enterprises and governments for planning, operation, monitoring, control, and intelligent decision making. Although unprecedentedly large amount of sensory data can be collected with the advancement of the Cyber-Physical-Social systems, the key is to explore how big data can become smart data and offer intelligence. Advanced big data modeling and analytics are indispensable for discovering the underlying structure from retrieved data and further acquiring smart data.

The 6th IEEE International Conference on Smart Data (SmartData-2020) is to promote community-wide discussion identifying the computational intelligence technologies and theories for harvesting smart data from big data. It will provide a high-profile, leading-edge forum for scientists, engineers and researchers to discuss and exchange novel ideas, results, experiences and work-in-process on all aspects of smart data. More details can be found via the website: <http://cse.stfx.ca/~cybermatics/2020/smartdata/>.

IEEE Smart Data-2020 Tracks and Topics

Track 1: Data Science and Its Foundations

- ✧ Foundational Theories for Data Science
- ✧ Data Classification and Taxonomy
- ✧ Data Metrics and Metrology
- ✧ Data inference for Smart/Big Data
- ✧ Theoretical Models for Smart/Big Data

Track 2: Smart/Big Data Infrastructure and Systems

- ✧ Cloud/Cluster/Fog/Edge Computing
- ✧ Parallel Computing for Big Data
- ✧ Open Source Big Data Systems
- ✧ System Architecture and Infrastructure
- ✧ Smart/Big Data Appliance

Track 3: Smart/Big Data Storage and Management

- ✧ Data Collection, Transformation, Transmission
- ✧ Data Integration, Cleaning, Storage
- ✧ Data Query and Indexing Technologies
- ✧ Distributed File/Database Systems
- ✧ NewSQL/NoSQL for Smart/Big Data

Track 4: Smart/Big Data Processing and Analytics

- ✧ Smart/Big Data Search, Mining, Drilling
- ✧ Machine Learning/Deep Learning
- ✧ In-Memory/Streaming/Graph-Based Computing
- ✧ Brain/Nature-Inspired Computing
- ✧ Secure/Privacy-Preserving/Differentially Private Computing
- ✧ New Models, Algorithms and Methods for Smart/Big Data Analytics
- ✧ Visualization Analytics for Smart/Big Data

Track 5: Smart/Big Data Applications

- ✧ Smart/Big Data Applications in All Fields
- ✧ Data as a Service (DaaS)
- ✧ Security, Privacy and Trust Applications in Smart/BigData
- ✧ Smart/Big Data Opening, Sharing, and Trading
- ✧ Practices and Experiences of Smart/ Big Data Project Deployments
- ✧ Ethic Issues in Big/ Smart Data

Special Issues

- Information Fusion (IF: 13.669)**
[Special Issue: Fusion from Big Data to Smart Data](#)
- Information Fusion (IF: 13.669)**
[Special Issue: Data Fusion for Trust Evaluation](#)
- IEEE Transactions on Industrial Informatics (IF: 9.112)**
[Special Issue: Digital Twinning: Integrating AI-ML and Big Data Analytics for Virtual Representation](#)
- IEEE Transactions on Network Science and Engineering (IF: 5.213)**
[Special Issue: Computing and Networking for Cyber-Physical-Social Systems](#)
- Future Generation Computer Systems (IF: 6.125)**
[Special Issue: Artificial Intelligence for Cyber Defence and Smart Policing](#)
- IEEE/CAA Journal of Automatic Sinica (IF: 5.129)**
[Special Issue: Blockchain for Internet-of-Things and Cyber-Physical Systems: Emerging Trends, Issues and Challenges](#)
- Journal of Cloud Computing (IF: 2.788)**
[Special Issue: Security and Privacy Issues for AI in edge-Cloud Computing](#)
- MDPI Electronics**
[Special Issue: Blockchain-based Technology for Mobile Application](#)
- Software: Practice and Experience**
[Special Issue: Software and Hardware Co-Design for Sustainable Cyber-Physical Systems](#)

Important Dates

- Paper Submission:** Aug. 8, 2020
Notification of Acceptance: Sep. 05, 2020
Camera-Ready Version: Sep. 27, 2020
Conference Date: Nov. 02-06, 2020

Organizing Committee

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PAPER SUBMISSION

A submission in PDF can be submitted via the website: <https://edas.info/N27620>.

PAPER PUBLICATION

Accepted papers will be published by IEEE (IEEE-DL and EI indexed). Selected high quality papers will be recommended to special issues of SCI and EI journals.

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