The 5th IEEE International Conference on Smart Data
Special Session on
Medical Big/Smart Data and Artificial Intelligence
July 14-17, 2019, Atlanta, USA

Medical big/smart data and artificial intelligence aim to filter out the noise and produce valuable data, which can be effectively used by doctors and governments for planning, monitoring, and intelligent decision making. Although unprecedentedly large amount of medical data can be collected with the advancement of the information systems and sensor devices, 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 providing more intelligent medical services.

This special session aims to collect the latest original contributions in medical big/smart data and artificial intelligence, and offer new ideas, experiences and discussions by experts in this field. We encourage the submission of papers with new theory, analysis, methods, and applications.

This is a special session of the 5th International Conference on Smart Data (http://cse.stfx.ca/~cybermatics/2019/smartdata/). Please submit your paper via the submission site https://edas.info/N25839 and select the special track of "Medical Big/Smart Data and Artificial Intelligence".

Accepted conference papers will be published by IEEE (IEEE-DL and EI indexed). Selected papers, after further extensions and revisions, will be nominated to publish at various special issues of SCI and EI journals (http://cse.stfx.ca/~cybermatics//2019/si.php). More details can be found at the conference website: http://cse.stfx.ca/~cybermatics/2019/smartdata/index.php.

Topics include but are not limited to:
Collection and Integration of Medical Big/Smart Data
Storage and Management of Medical Big/Smart Data
Intelligent Data Fusion of Medical Big/Smart Data
System Architecture and Infrastructure of Medical Big/Smart Data
Machine Learning/Deep Learning for Medical Big/Smart Data
Security and Privacy of Medical Big/Smart Data
Data Inference in Medical Big/Smart Data
Accurate Prediction of Medical Big/Smart Data
Intelligent Applications in Medical Big/Smart Data

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Important Dates
Paper Submission Due: April 24, 2019
Acceptance Notification Due: May 12, 2019
Final Manuscript Due: June 02, 2019