Special Issue

Big Data Analytics, the Internet of Things (IoTs), and Robotics

Message from the Guest Editors

This Special Issue invites colleagues to submit research papers that cover innovative ideas, approaches, developments, and research surveys in Big Data, the Internet of Things (IoT), and robotics. Big Data includes both theory and experimental results, offline algorithms for learning data in sub-linear time (such as property testing), or very fast (e.g., using convex optimization) online algorithms (on-the-fly learning), streaming algorithms using small memory, fast update times, or both core-sets and sketches for lossy or non-lossy compression, and related systems of all kinds. The Internet of Things includes results using Arduino, RaspberryPi, etc., as well as wearable devices, smartphone applications, smart watches, and small medical or EEG devices. Robotics includes autonomous cars, drones, and quadcopters; SLAM; and results in deep learning or embedding sensorial data, space exploration, LIDAR, or TOF (Time-of-Light) sensors. Combinations may include small autonomous drones that collect and process data in real-time using micro-computers on-board, micro-computers that runs robotics tasks, and algorithms that use GPU to manage large amounts of data.

Guest Editors

Prof. Dr. Dan Feldman

Robotics and Big Data Lab, Computer Science Department, University of Haifa, Haifa 3498838, Israel

Dr. Alaa Maalouf

Computer Science & Artificial Intelligence Laboratory, Massachusetts Institute of Technology, 32 Vassar St, Cambridge, MA 02139, USA

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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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