

Special Issue

Perception and Intelligence Driven Sensing to Monitor Personal Health

Message from the Guest Editors

With the advancement of sensor technology, data analytics is not restricted to X-ray and MRI scans. Its scope has broadened from 1-K dimensional signal processing to multi-modality fusion and patient perception analysis, e.g. eye-gaze, gait, mood, pose and touch, for monitoring personal health and improvement of the quality of life. Connected health, e.g. using the Internet, Bluetooth and WIFI, offers better tele-health services to remote areas and provides richer information to society in general. These promises inevitably bring the challenges associated with dynamic big data, which include noise filtering, optimization, performance and accuracy evaluations. This special issue focuses on applying the latest state-of-the-art approaches in imaging and sensing, to intelligently acquire, process and analyze health patterns on different computer assisted diagnosis platforms, including but not limited to handheld, mobile and wearable devices. The goal is to help clinical experts and operators to accurately detect and diagnose symptoms faster in order to provide just-in-time treatments to patients.

Guest Editors

Dr. Irene Cheng

Faculty of Science, University of Alberta, Edmonton, AB T6G 2R3,
Canada

Dr. Troy McDaniel

The Polytechnic School, Arizona State University, Mesa, AZ 85212, USA

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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