Special Issue

Communications Signal Processing and Networking in the Pandemic

Message from the Guest Editors

Communications signal processing and networking technologies represent some of the most prominent ones, as they can significantly help in one of the most effective strategies to undertake the fight—that is, the 3T plan (test, track, and treat). Indeed, the "track" component can significantly benefit from solutions based on the processing of personal device signals. We also know that the crowding of people should be avoided, and that crowding conditions could be automatically detected (e.g., by the use of optical systems, Lidar techniques, and WiFi sniffing solutions). This Special Issue solicits innovative contributions from both academia and industry in the field of communications signal processing and networking systems, architectures, tools, and devices that may help humanity effectively face this unprecedented pandemic scenario.

- People counting
- Contact tracing
- Virus spreading in complex networks
- Signal processing for distance estimation
- Sensors for health condition estimation
- System for crowd alerting
- Digital learning
- Smart working

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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.

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