



# IEEE Sensors Council



## CALL FOR PAPERS

### IEEE Sensors Journal Special Issue on

#### “Sensors for Body Temperature Measurement and Monitoring in a Time of Pandemic”

Covid-19 has demonstrated how vulnerable our society remains, when it comes to managing a pandemic. There is an urgent need to develop and evaluate new technologies, materials, and methods for rapid measurement and continuous monitoring of body temperature, and accurate detection of elevated body temperature as a symptom of conditions that may lead to a pandemic.

This Special Issue of the IEEE Sensors Journal is devoted to the presentation of innovations and improvements in the field of human and animal body temperature measurement and monitoring including theory, design, modelling, fabrication, configuration, characterization, manufacturing, data analysis, and applications. Original research contributions and review papers are sought in areas including:

- Body Temperature Sensor (BTS) Theory, Design, and Modelling
- BTS Circuits and Systems
- BTS Materials, Processing, Fabrication, and Packaging
- BTS Types (NTC Thermistor, RTD, Semiconductor, MEMS, Infrared)
- New BTS Technologies
- Wearable and Implantable BTS and Systems
- Remote BTS and Systems
- BTS Characterization and Evaluation
- BTS Signal Processing and Data Collection
- Low Power and Miniaturized BTS
- BTS Networks, IoT, and Data Security
- Algorithms and Tools for Body Temperature Screening
- Elevated Body Temperature Detection Using Artificial Intelligence
- Health Applications of Body Temperature Measurement and Monitoring

Solicited and invited papers shall undergo the standard IEEE Sensors Journal peer review process. All manuscripts must be submitted on-line, via the IEEE Manuscript Central™, see <http://mc.manuscriptcentral.com/sensors>. When submitting, please indicate in the “Manuscript Type” roll down menu, and also by e-mail to Ms. Leigh Ann Testa, [testa.l@ieee.org](mailto:testa.l@ieee.org), that the paper is intended for the “Sensors for Body Temperature Measurement and Monitoring in a Time of Pandemic” Special Issue. Authors are particularly encouraged to suggest names of potential reviewers for their manuscripts in the space provided for these recommendations in Manuscript Central. For manuscript preparation and submission, please follow the guidelines in the Information for Authors at the IEEE Sensors Journal web page, <http://www.ieee-sensors.org/journals>

#### **Deadlines:**

Manuscript Submission:	December 31, 2020
Notification of Acceptance:	July 31, 2021
Final Manuscript published in IEEE Xplore:	October 2021

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