IEEE Sensors Letters

Call for Papers: Sensor Technologies to Improve Our Understanding of Complex Behavior

As a part of the BRAIN Initiative's Brain Behavior Quantification and Synchronization Program, we welcome authors to submit papers to the special issue **"Sensor Technologies to Improve Our Understanding of Complex Behavior"** in coordination with the workshop "Sensor Technologies to Improve Our Understanding of Complex Behavior" held on May 2nd and 3rd 2023 at National Institute of Health, Bethesda, MD.

The goal of the "Sensor Technologies to Improve Our Understanding of Complex Behavior" workshop is to bring together sensor developers, cognitive and behavioral neuroscientists, translational psychiatrists and neurologists, computational scientists, data scientists, ethicists, and others interested in advancing the development of approaches for acquiring and analyzing high spatial and temporal resolution data, through the synchronous measurements of unconstrained behavior and neural activities in naturalistic environments. The special issue targets manuscripts related to recent sensor and sensor system research and development addressing quantitative physiological and biochemical parameter detection and recording that can be utilized to assess human complex behavior.

Speakers, discussants and facilitators are invited to submit overview or review manuscripts of their works as invited papers. Original research manuscripts related to sensors for complex behavior quantification and synchronization are welcome and open to everyone.

Manuscript format: IEEE Sensors Letters is an electronic journal dedicated to publishing short manuscripts, quickly, on the latest and most significant developments in the field of sensors. The scope of the journal includes all aspects of sensors and sensing technology, including the theory, design, fabrication, manufacturing, signal processing, interface circuits and applications of devices for sensing and transducing physical, chemical, and biological phenomena. The manuscript needs to be compliant to the Sensors Letters template. Papers are limited to **4 pages** with the stipulation that at least one column of each paper be devoted exclusively to references. IEEE Sensors Letters is a hybrid Open Access journal. For a fee, authors have the option of making their articles freely available to all.

Timeline

Target publication date: Oct. 1 2023. Submission Deadline: **July 1** 2023

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