

Editorial

Preface: Proceedings of the 10th International Electronic Conference on Sensors and Applications [†]

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[†] All papers published in this volume are presented at the 10th International Electronic Conference on Sensors and Applications (ECSA-10), 15–30 November 2023; Available online: <https://ecsa-10.sciforum.net/>.

This Issue of *Engineering Proceedings* assembles the papers presented at the 10th International Electronic Conference on Sensors and Applications (ECSA-10), held online on 15–30 November 2023 through the sciforum.net platform developed by MDPI. The annual ECSA conference was initiated in 2014 on an online basis to allow global participation without concerns over travel and related expenditures. This type of conference is particularly appropriate and useful because research related to sensors is still developing rapidly, and a platform for a direct exchange of information about the latest findings may provide further advancements in the development of novel ideas.

This year's edition saw a continuously increased collaboration among the authors and the audience through live session presentations of a limited number of contributions selected among the 229 submissions, all formally reviewed and accepted by the chairs and/or by the conference committee members. Video recordings of the sessions and open access to papers and presentations can be found online at <https://ecsa-10.sciforum.net/>.

ECSA-10 collected contributions concerning five thematic areas which are deeply affected by the rapid development of sensors and data processing: Chemo- and Biosensors; Physical Sensors; Sensor Networks, IoT and Structural Health Monitoring; Sensor Data Analytics; and Sensors and Artificial Intelligence. Five specific sessions were included: Smart Agriculture Sensors; Materials for Sensing Applications; Electronic Sensors, Devices and Systems; Wearable Sensors and Healthcare Applications; as well as Robotics, Sensors and Industry 4.0. Three keynote presentations were also delivered by Sabina Merlo, Full Professor of Electrical and Electronic Measurements in the Department of Electrical, Computer and Biomedical Engineering, University of Pavia, Pavia (Italy); by Leyre Azpilicueta, from the Department of Electrical, Electronic and Communication Engineering, Institute of Smart Cities, Public University of Navarre (UPNA); and by Dirk Lehmmus, from the Department of Casting Technology and Lightweight Construction, Fraunhofer IFAM.

Beyond these events, a student session gathered the contributions of eleven PhD students. After the conference, the chairs unanimously awarded the competition prize to Nicky Andre Prabatama from Universite Gustave Eiffel for his contribution entitled "Development of A Zigbee-Based Wireless Sensor Network of MEMS Accelerometers for Pavement Monitoring". Another award was established for the Best Contribution to the Conference and was granted ex aequo to Thiago Almeida Teixeira from Amazon State University for his contribution entitled "Development of a Monitoring System against



Citation: Mariani, S.; Falcone, F.; Bosse, S.; Laheurte, J.-M. Preface: Proceedings of the 10th International Electronic Conference on Sensors and Applications. *Eng. Proc.* **2023**, *58*, 134. <https://doi.org/10.3390/ecsa058134>

Published: 15 April 2024



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Illegal Deforestation in the Amazon Rainforest Using Artificial Intelligence Algorithms”, and to Elisabetta Bodo from University of Pavia for her contribution entitled “Artificial Nutrition Monitoring Through An Optofluidic Platform”. Each winner was awarded CHF 500. Our sincere congratulations go out to the awardees for the great results achieved in their research activities and for their enthusiastic presentations during the live sessions.

A companion Special Issue of *Sensors*, hosted at https://www.mdpi.com/journal/sensors/special_issues/06XXC4L7D7, will present full-length versions of the selected papers.

Conflicts of Interest: The authors declare no conflict of interest.

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