

Editorial

# Preface: The 4th International Electronic Conference on Applied Sciences (ASEC 2023)

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## 1. Introduction

The 4th International Electronic Conference on Applied Sciences (ASEC 2023), an online event held from 27 October to 10 November 2023, brought together scientists from different areas to discuss important recent developments in several fields. It represented an opportunity to gather an interdisciplinary community to discuss applied sciences.

The conference is oriented to stimulate the growth of interdisciplinary collaborations between different fields of applied sciences, in line with the strategic objectives of the *Applied Sciences* journal. More specifically, after the success of the first three editions, this year's edition focused on the thematic areas of applied nature sciences, including applied biosciences and bioengineering; nanosciences, chemistry and materials science; computing and artificial intelligence; electrical, electronics, and communications engineering; mechanical and aerospace engineering; energy, environmental and earth science; food science and technology; as well as applied physical science.

## 2. Sessions and Scopes

- A. Applied Biosciences and Bioengineering
- B. Nanosciences, Chemistry and Materials Science
- C. Computing and Artificial Intelligence
- D. Electrical, Electronics and Communications Engineering
- E. Mechanical and Aerospace Engineering
- F. Energy, Environmental and Earth Science
- G. Food Science and Technology
- H. Applied Physical Science
- I. A Student Session
- J. Poster Session

## 3. Committee Members

### 3.1. Event Chair

Prof. Dr. Nunzio Cennamo was born in Italy in 1975. He received a master's degree in electronic engineering in 2002 and a Ph.D. degree in electronic engineering in 2005, both from the Second University of Naples, Naples, Italy. He is a professor of Electronics at the University of Campania Luigi Vanvitelli (Naples) Italy. His research interests include the design and fabrication of optical fiber sensors, chemical sensors, biosensors, and optoelectronic devices. He is the author of more than 180 international journal and conference papers and more than 10 patents. He is a co-founder of the Spin-Off "MORESENSE srl" in Milan, Italy. He is an Associate Editor of *Photonics Research (OPTICA)*, *Applied Sciences*, and *Sensors* (MDPI). He is an invited speaker at several international conferences, webinars, and PhD summer schools. He is an Organizer and General Chair of the 7th International Symposium on Sensor Science (I3S 2019), 9–11 May 2019, Naples (Italy), of the IEEE Sensors Applications Symposium (IEEE SAS 2024), 23–25 July 2024, Naples (Italy), and of several



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editions of the International Electronic Conference on Applied Sciences (ASEC 2021, 2022, and 2023).

### 3.2. Session Chairs

- Prof. Dr. Gianrico Spagnuolo, University of Naples “Federico II”, Italy
- Prof. Dr. Marco Annunziata, University of Campania “Luigi Vanvitelli”, Italy
- Prof. Dr. Manoj Gupta, University of Singapore, Singapore
- Dr. Szerb Elisabeta Ildyko, “Coriolan Drăgulescu” Institute of Chemistry, Romanian Academy, Romania
- Dr. Alessandro Bruno, IULM AI Lab from IULM University, Italy
- Prof. Dr. Dongsoo Har, Korea Advanced Institute of Science and Technology (KAIST), Korea
- Prof. Dr. Francesco Dell’Olio, Polytechnic University of Bari, Italy
- Dr. Andrea Ballo, University of Catania, Italy
- Dr. Marco Mandolini, Marche Polytechnic University, Italy
- Dr. Ana Martins Amaro, University of Coimbra, Portugal
- Dr. Simeone Chianese, University of Campania “Luigi Vanvitelli”, Italy
- Dr. Chiara Bedon, University of Trieste, Italy
- Dr. Catarina Simões, University Fernando Pessoa, Portugal
- Dr. Alessandra Durazzo, Research Centre for Food and Nutrition, Italy
- Dr. Francesco Arcadio, University of Campania Luigi Vanvitelli, Italy
- Dr. Santosh Kumar, Liaocheng University, China
- Prof. Dr. Adriana Borriello, University of Campania “L. Vanvitelli”, Italy
- Dr. Letizia De Maria, RSE S.p.A, Italy
- Dr. Cosimo Trono, Institute of Applied Physics ‘Nello Carrara’, Italy

### 3.3. Event Committee

- Prof. Dr. Andrea Cusano, University of Sannio, Italy
- Prof. Dr. Bruno Andò, University of Catania, Italy
- Prof. Dr. Carlos Marques, University of Aveiro, Campus Universitário de Santiago, Portugal
- Dr. Francesco Caridi, University of Messina, Italy
- Dr. Danila Cianciosi, Polytechnic University of Marche, Italy
- Dr. Akshay Modi, Indian Institute of Science Education and Research Bhopal, India
- Dr. Adina Magdalena Musuc, Ilie Murgulescu Institute of Physical Chemistry, Romania
- Dr. Alberto Jiménez Suárez, Universidad Rey Juan Carlos, Spain
- Dr. Cristóbal Verdugo-Escamilla, Instituto Andaluz de Ciencias de la Tierra, Spain
- Prof. Dr. Vincent A Cicirello, Stockton University, USA
- Prof. Dr. Piotr A Kowalski, AGH University of Science and Technology/Systems Research Institute, Poland
- Prof. Dr. Vasudevan (Vengu) Lakshminarayanan, University of Waterloo, Canada
- Dr. Iwona Grobelna, University of Zielona Góra, Poland
- Dr. César M. A Vasques, Polytechnic Institute of Viana do Castelo, Portugal
- Dr. Paolo Cicconi, Roma Tre University, Italy
- Prof. Dr. María Emma Borges, University of La Laguna, Spain
- Dr. Gordon Gilja, University of Zagreb, Croatia
- Dr. Ehsan Farsangi, University of British Columbia (UBC), Canada
- Dr. Massimo Lucarini, CREA-Research Centre for Food and Nutrition, Italy
- Dr. Agata Urszula Fabiszewska, Warsaw University of Life Sciences, Poland
- Dr. Natalia Casado Navas, Universidad Rey Juan Carlos, Spain
- Prof. Dr. Gabriele Cervino, University of Messina, Italy
- Prof. Dr. Al Meldrum, University of Alberta, Canada
- Dr. Raffaella Signorini, University of Padova, Italy
- Prof. Dr. Antonio Cassinese, University of Naples Federico II, Italy
- Dr. Matteo Agostini, Istituto Nanoscienze-CNR and Scuola Normale Superiore, Italy
- Prof. Dr. Daniele Tosi, Nazarbayev University/National Laboratory of Astana, Kazakhstan

- Dr. Luca Schenato, University of Padova, Italy
- Prof. Dr. Dino Musmarra, University of Campania Luigi Vanvitelli, Italy
- Assoc. Prof. Carmine Antonio Perroni, Università Federico II, Italy
- Dr. Annalisa D'Arco, University of Rome La Sapienza, Italy
- Dr. Mario Casillo, University of Salerno, Italy
- Dr. Giacomo Cappon, University of Padova, Italy
- Dr. Tibor Krenicky, Technical University of Kosice, Slovakia
- Dr. Zhenxu Bai, Hebei University of Technology, China
- Dr. Mimimorena Seggio, University of Verona, Italy
- Prof. Dr. Lilia Sabantina, Berlin University of Applied Sciences, Germany
- Prof. Dr. Roberto Sorrentino, University "Federico II" of Naples, Italy
- Dr. Francesca Petronella, Institute of Crystallography National Research Council, Italy
- Professor Ciro Natale, University of Campania Luigi Vanvitelli, Italy
- Professor Marco Consales, University of Sannio, Italy
- Professor Luciano de Sio, Sapienza University, Italy

#### 4. Invited Speakers

- Prof. Dr. Aldo Minardo, University of Campania Luigi Vanvitelli, Italy
- Prof. Dr. Alessandro Formisano, University Della Campania "Luigi Vanvitelli", Italy
- Dr. Pedro Jorge, University of Porto, Portugal
- Prof. Dr. Paola Saccomandi, Department of Mechanical Engineering, Italy
- University of Campania "Luigi Vanvitelli", Italy
- Dr. Yogendra Kumar Prajapati, Motilal Nehru National Institute of Technology Allahabad, India
- Dr. Flavio Esposito, University of Naples "Parthenope", Italy
- Dr. Debora Bencivenga, University of Campania "Luigi Vanvitelli", Naples, Italy
- Dr. Rogério Nogueira, University of Aveiro, Portugal
- Mr. Fabio Scatiggio, A&A Fratelli Parodi, Italy
- Dr. Girolamo D'Agostino, Moresense Srl, Filarete Foundation, Italy
- Prof. Dr. Raffaele Solimene, Università degli Studi della Campania, Italy
- Assoc. Prof. Yosuke Mizuno, Yokohama National University, Japan
- Dr. Simone Berneschi, Institute of Applied Physics "Nello Carrara", Italy
- Dr. Maria de Fátima Domingues, Khalifa University, United Arab Emirates/Instituto de Telecomunicações, Portugal
- Prof. Dr. V V Raghavendra Sai, Indian Institute of Technology Madras, India
- Dr. Aliya Bekmurzayeva, Nazarbayev University, Astana, Kazakhstan
- Dr. Nélia Alberto, Instituto de Telecomunicações/University of Aveiro, Portugal
- Dr. Giulia Acconcia, Politecnico di Milano, Italy
- Prof. Dr. Maria Principe, University of Sannio, Benevento, Campania, Italy
- Prof. Dr. Ignacio Del Villar, Public University of Navarra, Spain
- Dr. Agnese Coscetta, University of Campania Luigi Vanvitelli, Italy
- Dr. Magdalena Sycińska-Dziarnowska, Pomeranian Medical University in Szczecin, Poland
- Prof. Dr. Cataldo De Blasio, Åbo Akademi University, Finland

#### 5. Program and Schedule

Details can be found at <https://sciforum.net/event/asec2023?section=#custom3756> (accessed on 20 February 2024).

#### 6. Organizers

- MDPI
- *Applied Sciences* Journal

## 7. Statement of Peer Review

In submitting conference proceedings to *Engineering Proceedings*, the volume editors of the proceedings certify to the publisher that all papers published in this volume have been subjected to peer review administered by the volume editors. Reviews were conducted by expert referees to the professional and scientific standards expected of a proceedings journal.

- Type of peer review: single-blind
- Conference submission management system: Sciforum
- Number of submissions received: 818
- Number of submissions sent for review: 692
- Number of submissions accepted: 392
- Number of submissions Published: 336
- Acceptance rate (number of submissions accepted/number of submissions received): 47.92%
- Average number of reviews per paper: 2
- Total number of reviewers involved: 1039

## 8. Peer Review Policy and Guidelines

Details can be found in the section “Peer Review Policy and Guidelines” at [https://www.mdpi.com/journal/engproc/instruction\\_for\\_conference\\_organizers](https://www.mdpi.com/journal/engproc/instruction_for_conference_organizers).

**Conflicts of Interest:** The author declares no conflict of interest.

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