



## Selected Papers from the International Electron Devices & Materials Symposium 2021 (IEDMS 2021)

Guest Editors:

**Prof. Dr. Wei-Chou Hsu**

**Prof. Dr. Yon-Hua Tzeng**

**Prof. Dr. Shoou-Jinn Chang**

**Prof. Dr. Meng-Hsueh Chiang**

**Dr. Sheng-Po Chang**

Deadline for manuscript  
submissions:

**closed (31 May 2022)**

### Message from the Guest Editors

IEDMS 2021 is the 26th International Electron Devices and Materials Symposium sponsored by The Electronics Devices and Materials Association and National Cheng Kung University. This conference offers an annual platform for international scientists, engineers, and researchers to present the latest research results, ideas, developments, and applications in electron devices and materials. IEDMS 2021 will be hosted by National Cheng Kung University from 18 to 19 November 2021 in Tainan City, Taiwan. Selected papers will be recommended to related SCI journals for a Special Issue publication, such as *Electronics*. Topics of interest for this Special Issue include but are not limited to:

- Compound semiconductor materials and devices;
- Novel materials including 2D, nanotubes, nanosheet-based materials, and related applications;
- Si-based processing, devices, and integration, including Si, SiC, SiGe, Ge-based technology;
- Photonic materials/devices;
- Novel device concepts and applications such as flexible electronics;
- Integrated solid state sensors for physical, chemical, and biomedical detection;
- Device simulation and modeling.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Flavio Canavero**

Department of Electronics and  
Telecommunications,  
Politecnico di Torino, 10129  
Torino, Italy

## Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, and other databases.

**Journal Rank:** JCR - Q2 (*Electrical and Electronic Engineering*) CiteScore - Q2 (*Electrical and Electronic Engineering*)

## Contact Us

*Electronics* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/electronics](http://mdpi.com/journal/electronics)  
[electronics@mdpi.com](mailto:electronics@mdpi.com)  
[X@electronicsMDPI](https://twitter.com/electronicsMDPI)