

CENICS 2025

Forward

The Eighteenth International Conference on Advances in Circuits, Electronics and Micro-electronics (CENICS 2025), held between October 26th, 2025, and October 30th, 2025, in Barcelona, Spain, continued a series of events capturing advances in special circuits, electronics, and micro-electronics in both theory and practice, from fabrication to applications using these special circuits and systems. The topics covered

fundamentals of design and implementation, techniques for deployment in various applications, and advances in signal processing.

Innovations in circuits, electronics, and microelectronics enable a wide range of applications. The conference focused on advances in high-speed signal processing, micro/nano-electronics, low-power sensor systems, and specialized electronics for wearable, implantable, and e-health devices. These technologies drive new design methods, reconfigurable systems, and integration with Internet-based platforms, with special attention to devices operating close to or within the human body.

We take the opportunity to warmly thank all the members of the CENICS 2025 technical program committee, as well as all the reviewers. The creation of such a high-quality conference program would not have been possible without their involvement. We also kindly thank all the authors who dedicated much of their time and effort to contribute to CENICS 2025. We truly believe that, thanks to all these efforts, the final conference program consisted of top-quality contributions. We also thank the members of the CENICS 2025 organizing committee for their help in handling the logistics of this event.

We hope that CENICS 2025 was a successful international forum for the exchange of ideas and results between academia and industry for the promotion of progress in the field of circuits, electronics, and micro-electronics.

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