

The Venue

Krakow (Cracow) is the second-largest and one of the oldest cities in Poland dating back to the seventh century. Kraków was the official capital of Poland until 1596 and has traditionally been one of the leading centres of Polish academic, economic, cultural and artistic life. Its Old Town with Wawel Royal Castle was declared the first UNESCO World Heritage Site in the world.

Kraków is a legendary city full of historical monuments and relics and, at the same time, aspiring to catch up with contemporary times and to merge the past with the 21st century. The city is an unquestioned tourist center.

The location of the conference allows you to get in a few minutes to the Old Market Square, to the Gothic and Baroque churches, museums, the Royal Castle, former Jewish Kazimierz District, and a multitude of cafes, restaurants and stores.

For more information see:
<http://www.krakow.travel/en/>
<http://infokrakow.pl/en/>



Travel Arrangement

Air: Kraków is served by The John Paul II International Airport in Balice (IATA: KRK) located 15 km on west of the city center, near the A4 motorway. Various airlines including low cost carriers fly into the city.

Rail: Direct international railway connections to Krakow from many European cities are available. Kraków is also linked with all other main towns and cities in Poland. The Express InterCity train trip from Warsaw takes less than 3 hours.

Coach: Many travel agencies offer permanent coach connections between Cracow and numerous cities in Europe.

Road: Cracow is located close to important roads highways and at the cross-road of E77 (linking the North with the South) and E40 (linking the West with the East). One may also travel to Kraków along the A4 highway running from the West through Silesia.

Accommodation

The conference will be held in AGH University of Science and Technology close to the city centre. The accommodation will be available for the conference participants in the hotels near the conference site.

Deadlines

Intended authors should note the following deadlines:

Receipt of papers	March 1 st , 2023
Notification of acceptance of papers	April 30 th , 2023
Final paper versions and 1-page abstracts	May 15 th , 2023

Price Information

Standard registration fee	380 Euro
IEEE Members registration fee	320 Euro
Student registration fee	260 Euro
Late registration fee (paid after May 15 th , 2023)	480 Euro
Accompanying person social events fee	160 Euro

Conference fee includes: participation in all sessions, MIXDES 2023 Proceedings CD and other conference materials, coffee and tea during the breaks, all lunches, the Welcome Party and Conference Banquet, tourist activities (student fee does not include welcome party and closing ceremony).

Conference fee does not include accommodation and transport



Enquiries

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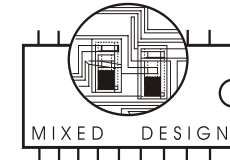
e-mail: mixdes2023@dmcs.p.lodz.pl

WWW

Information on MIXDES 2023 will be available on the World Wide Web at the following location:

<http://www.mixdes.org>

CALL FOR PAPERS



MIXDES 2023

30th International Conference MIXED DESIGN OF INTEGRATED CIRCUITS AND SYSTEMS



An invitation to submit paper proposals and attend the Conference



Kraków, POLAND, 29 June - 1 July 2023



MIXDES 2023

30th International Conference

**MIXED DESIGN OF INTEGRATED
CIRCUITS AND SYSTEMS**

Kraków, POLAND, 29 June - 1 July 2023

Organized by:

Department of Microelectronics and Computer Science
Technical University of Lodz, Poland

Faculty of Computer Science, Electronics and Telecommunications
AGH University of Science and Technology

Institute of Micro- and Optoelectronics
Warsaw University of Technology, Poland

In cooperation with:

Poland Section IEEE - CAS & ED Chapters

Section of Microelectronics and Electron Technology
of the Committee of Electronics and Telecommunication
of the Polish Academy of Sciences

Commission of Electronics and Photonics
of Polish National Committee
of International Union of Radio Science - URSI

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The MIXDES Conference

The MIXDES conference series started in Dębe near Warsaw in 1994 and has been organised yearly in the most interesting Polish cities. In 2023 we would like to continue the tradition of inviting you to the most attractive places in Poland and the conference will take place in Kraków.

In short period of time the conference has become an important event in the Central Europe allowing to discuss the recent research progress in the field of design, modelling, simulation, testing and manufacturing in various areas such as micro- and nanoelectronics, semiconductors, sensors, actuators and power devices as well as their interdisciplinary applications.

Areas of Interest

The topics of the Conference include:

- 1. Design of Integrated Circuits and Microsystems**
Design methodologies. Digital and analog synthesis. Hardware-software codesign. Reconfigurable hardware. Hardware description languages. Intellectual property-based design. Design reuse.
- 2. Thermal Issues in Microelectronics**
Thermal and electro-thermal modelling, simulation methods and tools. Thermal mapping. Thermal protection circuits.
- 3. Analysis and Modelling of ICs and Microsystems**
Simulation methods and algorithms. Behavioural modelling with VHDL-AMS and other advanced modelling languages. Microsystems modelling. Model reduction. Parameter identification.
- 4. Microelectronics Technology and Packaging**
New microelectronic technologies. Packaging. Sensors and actuators.
- 5. Testing and Reliability**
Design for testability and manufacturability. Measurement instruments and techniques.
- 6. Power Electronics**
Design, manufacturing, and simulation of power semiconductor devices. Hybrid and monolithic Smart Power circuits. Power integration.
- 7. Signal Processing**
Digital and analogue filters, telecommunication circuits. Neural networks. Artificial intelligence. Fuzzy logic. Low voltage and low power solutions.
- 8. Embedded Systems**
Design, verification and applications.
- 9. Medical Applications**
Medical and biotechnology applications. Biometrics. Thermography in medicine.

Official Language

Official language of the Conference is English, neither translation nor interpretation will be provided.

Call for Papers and Contributions

A call is made for papers, contributions and other conference activities on the topics mentioned above.

Full papers should be submitted till March 1st, 2023 - only in electronic form (MS Word, RTF, Open Office Writer, LaTeX, together with a generated PDF file).

The paper submission form and required format is available on our Web page. Authors are asked to indicate the topic into which their papers fall. The papers will be reviewed by at least two referees from the International Programme Committee. The papers will be published in the proceedings from the author's electronic submission.

Tutorials and Special Sessions - Call for Proposals

Several tutorials/special sessions will be held prior to the conference. Authors willing to propose a tutorial at MIXDES 2023 are invited to send a proposal to the Organizing Committee. The proposal should consist of a three-page summary including tutorial title, name and affiliation of the lecturer(s), tutorial objectives and audience, topical outline and provisional schedule of the tutorial.