The Venue

Wrocław, commonly known by its German and English name Breslau before 1945 is the largest city and capital of Lower Silesian Voivodeship. Wrocław is also the historic capital of Silesia. It lies on the banks of the River Oder (Odra), 40 km from the Sudeten Mountains. The population of Wrocław in 2018 was 640,648, making it the fourth-largest city in Poland and is among one of the republic's major manufacturing, banking, industrial, tourist and cultural centers. Thanks to hosting events such as the Euro 2012 Championship and the 2016 European Capital of Culture, Wrocław is gaining a larger European and international profile, drawing in a growing amount of tourists for its historic city center, picturesque bridges and islands, and the city's relaxed liberal culture. The city is also known for its high quality of life.

Wrocław is located in southwestern Poland, 160 km from Germany and 120 km from the Czech Republic. It is well equipped with communication facilities: international airport, railways, highways and river ports. The city with its charming historical centre, parks, good restaurants and friendly people is a pleasant place to visit.

For more information see: https://www.staypoland.com/about_wroclaw.htm https://visitwroclaw.eu/en/top-10-attractions-wroclaw https://visitwroclaw.eu/en/



Travel Arrangement

Air: Wrocław is served by Wrocław-Copernicus Airport (IATA: WRO) a small yet modern airport, located 10 km on west of the city center, near the A8 motorway. Airlines flying into the city include Lufthansa, SAS Scandinavian Airlines and Polish national carrier LOT. Additional low cost airlines servicing the city include Eurowings, Ryanair and Wizz Air.

Rail: Direct international railway connections to Wrocław from several European Cities are available. It is also linked with all other main towns and cities in Poland. The Intercity train trip to Warsaw takes about 5 hours and to Berlin 4 hours. See http://www.pkp.pl for most up-to-date schedue.

Road: Wrocław can be easily reached by road from major cities in Europe. The most important is national highway A4 connecting Wrocław with Germany and Ukraine.

Accommodation

The conference will be held in a hotel located in the city centre. The accommodation will be offered for the conference participants at the conference site.

Deadlines

Intended authors should note the following deadlines:

Receipt of papers	February 29 th , 2020
Notification of acceptance of papers	April 25 th , 2020
Final paper versions and 1-page abstracts	May 15 th , 2020

Price Information

Standard registration fee	360 Euro
IEEE Members registration fee	300 Euro
Student registration fee	260 Euro
Late registration fee (paid after May 15th, 2020)	450 Euro
Accompanying person social events fee	150 Euro

Conference fee includes: participation in all sessions, MIXDES 2020 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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www

Information on MIXDES 2020 will be available on the World Wide Web at the following location:

http://www.mixdes.org

CALL FOR PAPERS



MIXDES 2020

27th International Conference MIXED DESIGN OF INTEGRATED CIRCUITS AND SYSTEMS



An invitation to submit paper proposals and attend the Conference









Wrocław, POLAND, 25 - 27 June 2020



Prof. B. Macukow

Prof. J. Madrenas

Dr. D. Makowski

Prof. A. Martinez

MIXDES 2020 27th International Conference MIXED DESIGN OF INTEGRATED CIRCUITS AND SYSTEMS Wrocław, POLAND, 25-27 June 2020

Organized by:

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

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 Debe near Warsaw in 1994 and has been organised yearly in the most interesting Polish cities. In 2020 we would like to continue the tradition of inviting you to the most attractive places in Poland and the conference will take place in Wrocław.

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. Hardwaresoftware 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 February 29th, 2020 - 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 2020 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.