MAREW 2023
Microwave and Radio Electronics Week 2023

APRIL 19–20, 2023
Pardubice | Czech Republic

33rd International Conference Radioelektronika 2023

WELCOME

The Microwave and Radio Electronics Week 2023 – MAREW 2023 – is organized by the Faculty of Electrical Engineering and Informatics, University of Pardubice, in cooperation with Czech and Slovak technical universities. The scope of the conference is to create a discussion forum for researchers, academics, people in industry, and students. The conference is for those interested in the latest developments in the area of electronics, signal processing and applications, information technologies, microwave techniques, and related disciplines.

The key component of MAREW 2023 will be the conference – **33rd International Conference Radioelektronika 2023**. The official language of the convention is English.

VENUE

MAREW 2023 will be held at the Faculty of Electrical Engineering and Informatics, University of Pardubice, which is located in the center of the town Pardubice in the Czech Republic. The venue can be easily reached by train, bus or car.

PROCEEDINGS

Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements.

FORMAT OF THE CONFERENCES

The conference includes the following formats:

- Plenary sessions with invited keynote speakers
- Oral sessions
- Poster sessions
- Short courses & Workshops
- Sponsors exhibition

SPECIAL SECTION:
WIRELESS TECHNOLOGIES IN DEFENCE AND SECURITY

- PNT resilience in a world of emerging cyber thread, Jiri Kalvoda (TR instruments spol.s r.o.)
- Frequency-spectrum based anti-drone protection of strategic objects, Milan Tenusak (JISR Institute, a.s.)
- Security and reliability of room occupancy detection in smart buildings using probe requests, Tomas Fryza (Dept. of Radio Electronics, Brno University of Technology)
- Digital urban platform as an impulse for a modern, environmentally-safe and secure city, Peter Barcik (Dept. of Radio Electronics, Brno University of Technology)
- Overview of 1090MHz signal structures and their unconventional exploitation possibilities, Jiri Vesely, Jana Olivova (Dept. of radar and communication technology and electronic warfare, Brno University of Defense)

IMPORTANT DATES

Full Paper Submission (4–6 pages):
~~JANUARY 27, 2023~~
FEBRUARY 10, 2023

Notification of Acceptance:
MARCH 14, 2023

Final Paper Submission:
MARCH 31, 2023

Deadline for Fee Payment:
APRIL 7, 2023

CONTACTS

MAREW 2023
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TOPICS OF THE MAREW 2023

SIGNAL PROCESSING AND APPLICATIONS

- Analog Signal Processing
- Biomedical Signal Processing
- Digital Signal Processing
- DSP Algorithms
- Image and Video Processing
- Radar Signal and Data Processing
- Radar Image Processing
- Real Time Signal Processing
- Signal and Spectral Analysis
- Speech and Audio Processing

CIRCUITS AND SYSTEMS

- Analog and Digital Circuits
- Computer Modeling
- Communication and RF Circuits and Systems
- Digital and Embedded Systems
- Electronics Circuits
- Electronics in Industry and Transport
- EMC
- GNSS
- Power Electronics
- Sensors and Materials
- VLSI Systems

INFORMATION TECHNOLOGIES

- Algorithms and Data Structures
- Computational Science and Applications
- Data Management
- Information Systems
- Network Technologies
- Network Services
- Parallel and Distributed Computing
- Telecommunication Systems
- Wireless Network Systems

MICROWAVE, PROPAGATION AND LIGHTWAVES

- Antennas Design and Modelling
- Antenna Measurements
- Communication Systems
- Electromagnetic Compatibility
- Industrial Applications
- Microwave Circuits and Systems
- Microwave Measurements
- Millimeter, Submillimeter and TeraHertz Antennas, Propagation and Measurements
- Microwave Modeling & Simulation
- Signal Propagation
- UWB Technology