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PAPERS



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## 46<sup>th</sup> ICT and Electronics Convention MIPRO

22 - 26 May 2023 - Opatija, Croatia  
Grand Hotel Adriatic and Hotel Admiral

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ICT for a Smart and Green Present and Future

*Lampadem tradere*

INNOVATIVE PROMOTIONAL PARTNERSHIP

Papers can be submitted to the following international conferences:

- HCI - Human-Computer Interaction
- SIDE - Smart Industries and Digital Ecosystems
- MEET - Microelectronics, Electronics and Electronic Technology
- OPHO - Optoelectronics and Photonics
- DS-BE - Data Science and Biomedical Engineering
- CTI - Telecommunications & Information
- CE - Computers in Education
- DC-CPS - Distributed Computing and Cyber-Physical Systems
- AIS - Artificial Intelligence Systems
- RTA - Robotics Technologies and Applications
- ISS - Information Systems Security
- miproBIS - Business Intelligence Systems
- DE-DS - Digital Economy and Digital Society
- ICTLAW - Information and Communication Technology Law
- EE - Engineering Education
- SSE - Software and Systems Engineering
- SP - MIPRO Junior - Student Papers

Accepted and presented papers in English will be submitted for inclusion in the IEEE Xplore Digital Library.

If you need assistance, please contact the appropriate chair:

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### CONFERENCE REGISTRATION FEES:

Early bird (up to 8 May 2023)  
Regular (from 9 May 2023)

**MIPRO and IEEE members**  
230 EUR  
260 EUR

**Non-members**  
250 EUR  
280 EUR

The fee for students (undergraduate and graduate), primary and secondary school teachers is EUR 120 (without any additional discount). Discount doesn't apply to PhD students.

The registration fee covers free access to all events at MIPRO convention, including the cocktail party on Wednesday.

### IMPORTANT DATES

Abstract submission: 16 January 2023

Full-paper submission: 6 February 2023

Acceptance notification: 13 March 2023

Camera ready submission: 27 March 2023

Official languages are English and Croatian. Abstract is limited to 200 words.  
For more information visit [www.mipro.hr](http://www.mipro.hr)







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CALL FOR PAPERS  
AND EVENTS



Welcome to  
Opatija



mipro ICT for a Smart and Green Present and Future IEEE

### SUBMIT THE PAPER AND/OR EVENT FOR THE 46<sup>TH</sup> ICT AND ELECTRONICS CONVENTION MIPRO 2023!

The 46<sup>th</sup> ICT and Electronics Convention MIPRO 2023 is traditionally dedicated to information, communication and electronic technology, with links to other advanced technologies and innovative ventures.

In fulfilling its mission, MIPRO joins forces with other ICT associations in Croatia and the EU to become a centre for communication and cooperation (hub). In this way, it provides an interface for the promotion of knowledge and technologies and creates professional links with participants. The convention takes place under the motto:

*ICT for a Smart and Green Present and Future.*

We invite you to submit your scientific, professional and review papers for one of our 16 conferences. MIPRO 2023 is an opportunity to present research results, innovative solutions and achievements of professional work. Scientific and professional contributions are expected, including contributions from PhD students and PostDoc researchers, novice researchers and development, production and marketing engineers, as well as contributions describing technical, software and hardware solutions. Traditionally, we also expect contributions from experts specialized in education and educational technologies. In particular, we invite the leaders of scientific, research, information, technological and other projects to present their achievements and experiences. In addition, we invite all stakeholders in science, education, business and public administration to use the MIPRO environment and mission to develop a vision and take steps towards smart and green technologies. Our goal is to showcase the results of modern smart and green ecosystems in this era of general digitalisation of the economy and society as a whole. With these efforts, we are opening up the vision of the *transition from the digitalisation of society to a digital society*.

In addition to the conferences, we also organise educational seminars, round tables, panel discussions, workshops and a traditional exhibition of ICT systems and electronic products, services and innovative technical solutions. We invite you to use MIPRO for commercial presentations and demonstrations in your and our interest.

If you would like to improve and expand the content of our and your event with your needs, suggestions and ideas, please contact [mipro@mipro.hr](mailto:mipro@mipro.hr) to justify the implementation in accordance with our mission. In this regard, the traditional annual MIPRO convention is at your disposal and let us succeed together.

Welcome to the 46<sup>th</sup> MIPRO 2023 in the always beautiful and hospitable Opatija, the city of tourism, culture, science, new technologies along with pleasant and useful networking.

CALL FOR  
ADDITIONAL EVENTS

MIPRO is open to all individuals and institutions interested to propose additional events that would enrich MIPRO program.

Interested parties should contact [mipro@mipro.hr](mailto:mipro@mipro.hr) no later than **1 February 2023**.

You can suggest the following events:

- Tutorials
- Round tables and panel discussions devoted to current ICT topics
- Workshops
- Presentations of the eminent economic and scientific institutions
- Invited lectures of eminent scientists, experts and managers
- Legislative discussions on ICT
- Company presentations
- European and promotional activities
- Other events

### EXHIBITION:

We hereby invite companies, institutions and ICT experts interested to present their projects and achievements as well as publishers to present their publications. The organizer will provide additional promotional opportunities. Details at [www.mipro.hr](http://www.mipro.hr) or contact [mipro@mipro.hr](mailto:mipro@mipro.hr)

### CONFIRMED EVENTS

### ROUND TABLE:

- **RT1 - Smart Water for a Greener Future**  
Chair: Dragan Sokolović, [dragan@smartaqua.co](mailto:dragan@smartaqua.co), Smart Aqua, Pula

### FORUM:

- **CRO-IGF - Croatian Internet Governance Forum**  
Chair: Zdravko Jukić, [zdravko.jukic@hakom.hr](mailto:zdravko.jukic@hakom.hr), HAKOM, Zagreb

### SMART INDUSTRY RELATED WORKSHOPS:

- **RAB - Blockchain Application Development and Their Use-Cases**  
Chair: Josip Maričević, [josip.maricevic@tolar.io](mailto:josip.maricevic@tolar.io), Hashnet, Zagreb
- **CCE - „Correct by Design” - The Competitive Edge with Modern Electrical CAE/CAD/CAM Technologies**  
Chair: Robert Brekalo, [robert.brekalo@ccontrols.hr](mailto:robert.brekalo@ccontrols.hr), Computer Controls, Zagreb

### TUTORIALS (in Croatian):

- **HEP - Information and Communication Technology in the Electric Power Sector**  
Chair: Vitomir Komen, [vitomir.komen@hep.hr](mailto:vitomir.komen@hep.hr), HEP-ODS, Rijeka
- **IRP-ZT - Green Transition of the Power System**  
Chair: Dubravko Sabolić, [dubravko.sabolic@hops.hr](mailto:dubravko.sabolic@hops.hr), HOPS, Zagreb

### INFO

#### General Program Chair:

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More about Opatija: <http://visitopatija.com>

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IEEE Croatia Section  
IEEE Croatia Section Computer Chapter  
IEEE Croatia Section Electron Devices/Solid-State Circuits Joint Chapter  
IEEE Croatia Section Education Chapter  
IEEE Croatia Section Communications Chapter  
CroSI Association

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