



44th International Convention MIPRO

Grand Hotel Adriatic Congress Centre & Hotel Admiral, Opatija, Croatia

ICT IN RENEWABLE ENERGY TECHNOLOGIES

September 27 - October 1, 2021

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Authors of the best scientific papers will be invited to submit an extended version of their work to the **Scalable Computing: Practice and Experience (ISSN 1895-1767) Journal.**

CALL FOR PAPERS

CONFERENCE ON

DATA SCIENCE AND BIOMEDICAL ENGINEERING (DS-BE)

DS-BE

DS-BE intends to gather the latest research and development results in advanced computational methods, tools and applications in the domain of Data Science and Biomedical Engineering. The conference solicits high-quality original contributions that demonstrate theoretical and practical achievements in Data Science and Biomedical Engineering. It focuses on specific hardware and software solutions and services for a particular domain-problem from industry or science as well as independent research activities on general solutions applicable across different data-driven fields, including research in complex networks, machine learning, deep and representation learning, knowledge discovery and interpretability techniques, visual analytics and scientific visualization, and parallel and scalable algorithms on heterogeneous and distributed computing environments. Papers from Artificial Intelligence are particularly welcome.

Topics of interest include, but are not limited to:

- Parallel and Distributed Applications and Algorithms
- Applications for High-performance Architectures and Accelerators
- Data Science Methods, Tools and Platforms
- Big Data Analysis and Visualization
- Service Applications Based on Cloud, Fog and/or Dew Computing
- Interpretable and Explainable Machine Learning
- Expert Systems and Knowledge-Based Systems
- Knowledge Representation and Management
- Ontology and Meta-Data Design
- Human-Centric Artificial Intelligence
- Visual Analytics in Deep Learning
- Natural Language Processing and Text Mining
- Data Science in Computational Biology and Medicine
- Biological Network Analysis
- Gene-disease Relationships
- Drug Target Identification and Validation
- Pandemic Oriented Prediction Models
- Medical and Biological Image Analysis
- Analysis and Visualization of Biological and Clinical data
- Infrastructure (Frameworks/Software/Tools/Resources) for Health Applications
- Informatization, Management and Organization of Biomedical Environments
- Bioinformatics and Medical Applications
- Advanced Bio-Signal Processing and Interpretation
- Monitoring of Vital Functions with Sensor and ICT Systems
- Wearable Sensors and Networks in Distributed Systems
- Telehealth, Telecare, Telemonitoring, and Telediagnosics
- Social Networking, Computing and Education for Health
- Improved Therapeutic, Diagnostic and Rehabilitation Methods
- Internet of Things (IoT) for mHealth
- Data Models and Representations for mHealth
- Information Fusion of Biomedical Data
- Biomedical Scientific Databases

Official language is English.

Please forward to your colleagues





DS-BE

Submit your paper for the conference DS-BE which will be held at the 44th International ICT Convention MIPRO 2021.

IEEE TECHNICAL CO-SPONSORSHIP
Publication in IEEE Xplore

IMPORTANT DATES

Abstract submission

May 17, 2021

Full-paper submission

May 31, 2021

Acceptance notification

June 21, 2021

Camera ready submission

June 28, 2021

Instructions for paper preparation can be found on www.mipro.hr

REGISTRATION / FEES

EARLY BIRD up to September 13, 2021 | *REGULAR* from September 14, 2021

Members of MIPRO and IEEE	
200 EUR	230 EUR
Students (undergraduate and graduate)	
120 EUR	140 EUR
Others	
220 EUR	250 EUR

MORE INFO

For all future information please visit www.mipro.hr or contact directly DS-BE Chairmen:

- Karolj Skala
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- Aleksandra Rashkovska Koceva
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- Davor Davidović
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All submitted papers will pass through a plagiat control and blind peer review process with at least 2 international reviewers.

On the basis of reviewers' opinion and voting result from the conference attendance we will qualify the Best paper for the prize that will be awarded as a part of the final event at the DS-BE conference.

Accepted papers will be published in the ISSN registered conference proceedings. Presented papers will be submitted for inclusion in the IEEE Xplore Digital Library.

Croatian Society MIPRO, IEEE Croatia Section, University of Zagreb, University of Rijeka and Juraj Dobrila University of Pula will organize the conference.

The conference is supported by the Ministry of Science and Education of the Republic of Croatia, Ministry of the Sea, Transport and Infrastructure of the Republic of Croatia, Ministry of Economy and Sustainable Development of the Republic of Croatia, Ministry of Regional Development and EU Funds of the Republic of Croatia, Ministry of Agriculture of the Republic of Croatia, Ministry of Defence of the Republic of Croatia, Central State Office for the Development of Digital Society, Primorje-Gorski kotar County, City of Rijeka, City of Opatija, Croatian Regulatory Authority for Network Industries - HAKOM, Croatian Power Exchange - CROPEX and Renewable Energy Sources of Croatia – RES Croatia.

ABOUT LOCATION

Opatija, with its 170-year-old tourism tradition, is the leading seaside resort of the Eastern Adriatic and one of the most famous tourist destinations on the Mediterranean. With its aristocratic architecture and style, Opatija has been attracting artists, kings, politicians, scientists, sportsmen, as well as business people, bankers and managers for more than 170 years.

The tourist offer in Opatija includes a vast number of hotels, excellent restaurants, entertainment venues, art festivals, superb modern and classical music concerts, beaches and swimming pools – this city satisfies all wishes and demands.

Opatija, the Queen of the Adriatic, is also one of the most prominent congress cities in the Mediterranean, particularly important for its ICT conventions, one of which is MIPRO, which has been held in Opatija since 1979, and has attracted more than a thousand participants from over forty countries. These conventions promote Opatija as one of the most desirable technological, business, educational and scientific centers in South-eastern Europe and the European Union in general.

For more details, please visit www.opatija.hr and visitopatija.com.

