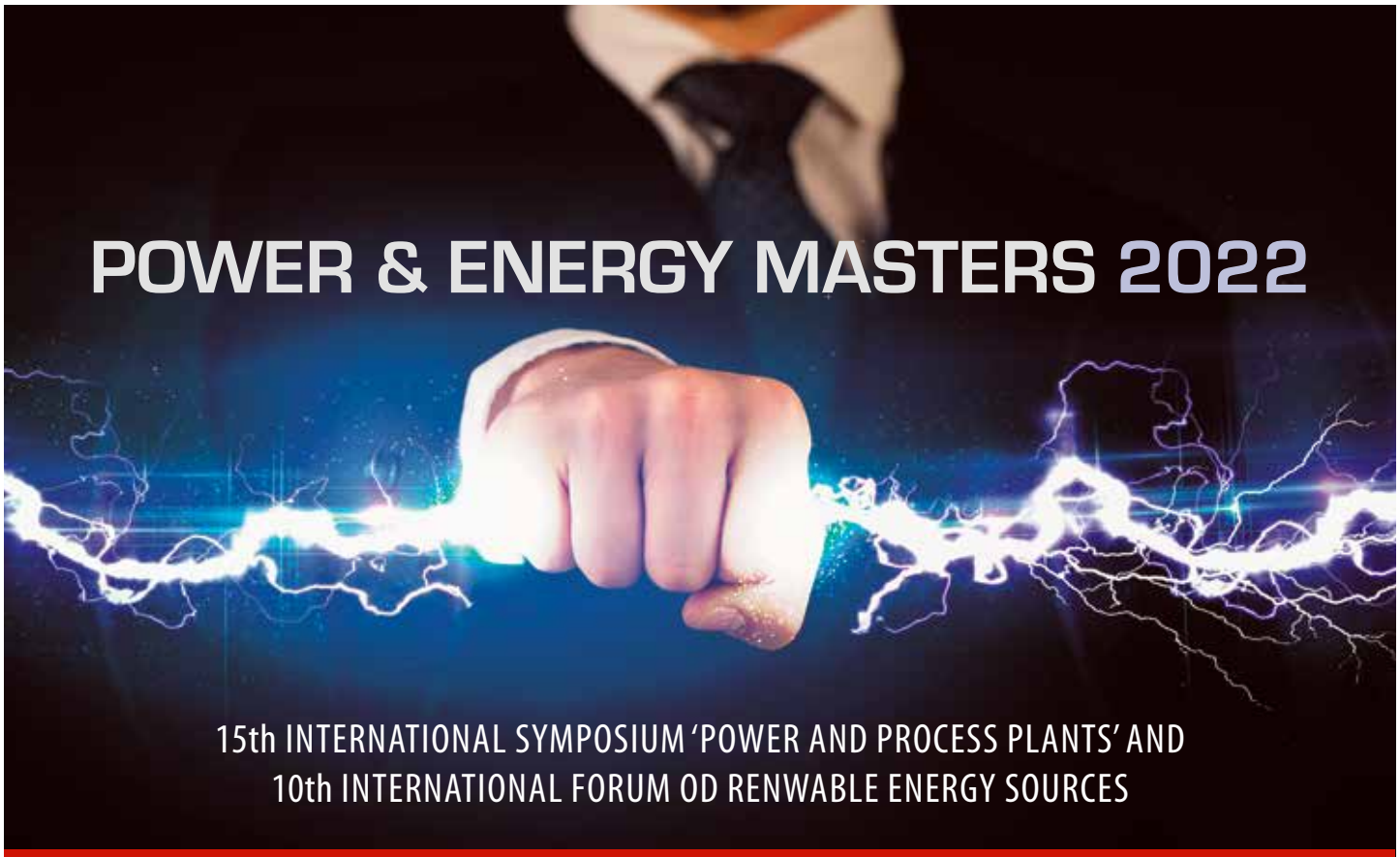
PRELIMINARY PROGRAMME



POWER & ENERGY MASTERS 2022

15th INTERNATIONAL SYMPOSIUM 'POWER AND PROCESS PLANTS' AND 10th INTERNATIONAL FORUM OD RENWABLE ENERGY SOURCES

Zadar, The Kolovare Hotel, 12 - 14 October 2022

Patron:

MINISTRY OF ECONOMY AND SUSTAINABLE DEVELOPMENT

GRAD ZADAR

Scientific-technical patrons:

FERIT
JOSIP JURAJ STROSSMAYER UNIVERSITY OF OSIJEK, FACULTY OF ELECTRICAL ENGINEERING, COMPUTER SCIENCE AND INFORMATION TECHNOLOGY OSIJEK

UNIVERSITY OF RIJEKA, FACULTY OF ENGINEERING

UNIVERSITY OF SPLIT, FACULTY OF ELECTRICAL ENGINEERING, MECHANICAL ENGINEERING AND NAVAL ARCHITECTURE

UNIVERSITY OF ZAGREB, FACULTY OF CHEMICAL ENGINEERING AND TECHNOLOGY

UNIVERSITY OF ZAGREB, FACULTY OF MECHANICAL ENGINEERING AND NAVAL ARCHITECTURE

UNIVERSITY OF ZAGREB, FACULTY OF MINING GEOLOGY AND PETROLEUM ENGINEERING

CROATIAN CHAMBER OF MECHANICAL ENGINEERS

CROATIA GREEN BUILDING COUNCIL

CROATIAN HYDROGEN ASSOCIATION

ENERGY INSTITUTE HRVOJE POŽAR

CROATIAN SOLAR ENERGY PROFESSIONAL ASSOCIATION

CROATIAN HEAT PUMP ASSOCIATION

Organizers:

Energetika MARKETING

HES

Media coverage:

magazine ege

portal energetika-net.com

Wednesday, 12 October 2022

10:00 - 11:30 **ENERGY AND POWER INDUSTRY, ENERGY AND ENVIRONMENT**

- introductory speech by the representative of the Organizer
- welcome speeches by the representatives of the Patrons and the Co-organizers
- presentations on the following topics:
  - actualities from the European and Croatian energy and power industry
  - business plans of the leading Croatian energy and power companies
  - legal framework of the Croatian energy and power sector and the requirements of the European energy policy
  - energy, climate and low-carbon strategies
  - energy and power industry in the neighbouring countries
  - environmental protection and energy and process plants
- discussion

11:30 - 12:00 coffee break by –weishaupt–

12:00 - 13:00 **ROUND TABLE: THE LEADERS OF THE CROATIAN ENERGY AND POWER INDUSTRY**

- presentations of the leading Croatian energy and power companies and equipment manufactures
- discussion

13:00 - 13:30 refreshment

13:30 - 14:30 **ENERGY AND PROCESS PLANTS**

- presentations on the following topics:
  - present status of the key energy and power projects
  - future of the energy market
  - financing of the energy and power projects
  - design and construction of the energy and process plants
  - the new technical solutions in energy and power sector
  - examples of a good practice from the management and control of the energy and process plants
- discussion

14:30 lunch

16:00 technical tour

20:00 social programme

Thursday, 13 October 2022

10:00 - 11:30 **ENERGY EFFICIENCY AND ENERGY RENEWAL**

- presentations on the following topics:
  - modern solutions in HVAC technology
  - cogeneration and trigeneration in practice
  - legal framework of the energy efficiency and energy management
  - energy efficiency in buildings
  - energy management in power and process plants
  - preparation, financing and implementation of the energy renewal projects
  - implemented projects of energy efficiency in industry and buildings
- discussion

11:30 - 12:00 coffee break

12:00 - 13:00 **ROUND TABLE: PRODUCTION FOR THE FUTURE**

- presentations of the leading Croatian HVAC equipment manufactures and energy efficiency solutions providers
- discussion

13:00 - 13:30 refreshment

13:30 - 14:30 **ENERGY MANAGEMENT, MAINTENANCE AND NEW TECHNOLOGIES**

- presentations on the following topics:
  - new technologies and modern technical solutions in the energy and process technology
  - water, fuel and lubricants
  - maintenance, repair and services of the energy and proces plants
  - management, regulation and automation
  - the most interesting implemented projects
- discussion

14:30 lunch

16:00 tour of the city

20:00 social programme

Friday, 14 October 2022

10:00 - 11:30 **INTERNATIONAL FORUM ON RENEWABLE ENERGY SOURCES**

- presentations on the following topics:
  - the present situation, plans and strategies for renewable energy sources
  - legal framework of renewable sources and the development of projects
  - incentives for the use of renewable sources and market
  - financing of the renewable energy projects
  - smart grid and energy storage solutions
  - innovative solutions from the world leading equipment manufacturers

coffee break

ROUND TABLE: A NEW CHALLENGES FOR RENEWABLES

- presentation of the leading Croatian companies in the field of renewables
- discussion

11:30 - 12:00 coffee break

12:00 - 13:30 **POSSIBILITIES AND POTENTIALS FOR HYDROGEN IMPLEMENTATION IN CROATIA**

host: ***Ivona HULENIĆ, mag. ing. cheming.,*** *Hrvoje Požar Energy Institute, Zagreb*

- participants:

- dr. sc. Ivana CHAUX JUKIĆ, *Active Solera j.d.o.o., Murvica*
- Dinko ĐURĐEVIĆ, mag. ing. oecoing., MBA, *Hydrogen Europe, Bruxelles, Belgija*
- dr. sc. Danica MALJKOVIĆ, dipl. ing., MBA, *Indeloop d.o.o., Zagreb*
- Tonči PANZA, dipl. ing., *Adria Wind Power d.o.o., Sesvete*

13:30 - 14:15 lunch

14:15 - 15:30 **INTERNATIONAL FORUM ON RENEWABLE ENERGY SOURCES**

- presentations on the following topics:
  - Solar energy: solar thermal systems, photovoltaic plants, passive usage
  - wind and hydroenergy
  - energy from biomass, biogas and waste
  - heat pumps and geothermal energy
  - the impact of plants on renewable sources of the environment
  - research and development of renewables
  - the most interesting realized projects
- Special Award for Outstanding Contribution in Promoting the Application of Renewable Energy Sources
- discussion

15:30 • closing words from the Organizer

Remark:
The final Programme will be defined by the Organizer and Scientific and Professional Adivsory Board, in accordance with the submitted summaries. Depending on the number of applications received for the lectures, some of the submitted articles may be presented within the poster-section.

Important dates:
- application (submitting the abstracts): ..... Monday, September, 30th, 2022
- submitting the complete papers/presentations: ..... Monday, October, 10th, 2022