

25
years



FIRST ANNOUNCEMENT AND CALL FOR PAPERS

13TH CONFERENCE ON
ELECTRICITY DISTRIBUTION
with regional participation



September 12-16, 2022, Kopaonik, Serbia



ABOUT THE CONFERENCE

Organizer:

CIRED Liaison Committee of Serbia is the professional and expert organization, dedicated to the exchange of knowledge and expertise in the technical field of electricity distribution. It gathers professionals and experts from power distribution companies, electrical engineering faculties and institutes, design, constructing and manufacturing companies from Serbia and the region.

More information at www.cired.rs

Support:

CIRED (Congrès International des Réseaux Electriques de Distribution) International Conference on Electricity Distribution - is the leading forum where the international electricity distribution community meets. CIRED works with the purpose of increasing the business relevant competencies, skills and knowledge of all those who participate in its activities. CIRED offers a biennial conference and exhibition where developments and best practices in technology and management of the technical side of electricity distribution are presented. Between conferences CIRED organizes specific Working Groups on current subjects of key interest to the electricity distribution community. The next event (workshop) will be held in Porto, Portugal, June 2-3, 2022.

Additional information available at www.cired.net

13TH CIRED CONFERENCE IN SERBIA

CIRED Liaison Committee of Serbia in cooperation with CIRED Committee of Montenegro, and others, as well as the companies and experts from the Serbia and the region organizes the 13th Conference on Electricity Distribution of Serbia with regional participation from **September 12-16, 2022, Grand Hotel, Kopaonik, Serbia.**

CIRED LC of Serbia Organizing Committee for the 2022 Conference:

Zoran Simendic, PhD, Chairman of CIRED LC of Serbia
Goran Radovanovic, Electric Power Distribution, Belgrade
Dragoslav Jovanovic, PhD, Member of CIRED LC of Serbia
Slobodan Kujovic, Member of CIRED LC of Serbia
Sasa Stefanovic, Electric Power Distribution, Belgrade
Marija Erdeljan, Technical Secretary of CIRED LC of Serbia

Conference objectives:

Countries in the region are at the similar technical level of development and practice in electricity distribution with similar problems in operation and management of distribution networks. They are at different levels of restructuring, deregulation and privatization process of electric power industries and face the similar challenges in opening of electricity markets. The Conference should enable regional exchange of experience and

practice in shared problems of technology development, reorganization and modernization of electricity distribution. The Conference will be accompanied with an interesting exhibition of equipment and services from the region.

Who should attend the Conference?

Managers of Electricity Distribution Companies
Engineers and experts in different fields of electricity distribution
Users and maintenance engineers of electricity distribution equipment
Manufacturers of equipment in energy and power distribution
Professors and researchers
Consultants and designer

Simultaneous interpretation will be organized in Serbian and English.

Previous, 12th Conference, was attended by 603 registered participants. Number of commercial participants was 48. A total of 110 papers were accepted for the event.

PREFERENTIAL SUBJECTS

EC 1: NETWORK COMPONENTS

chairman: Vladimir ŠILJKUT, PhD, Electric Power Industry of Serbia

1. Modern constructions, application of new technical solutions and maintenance of power distribution networks components
2. Testing, monitoring, diagnostics and maintenance strategy of power distribution networks components
3. Modeling and application of modern software tools for the analysis of power distribution networks components
4. Living and working environment impact of power distribution networks components
5. Technical regulations in the field of power distribution networks components

EC 2: POWER QUALITY IN DISTRIBUTION SYSTEMS

chairman: Prof. Vladimir KATIĆ, PhD, Faculty of Technical Sciences Novi Sad

1. Power quality of energy supply (voltage quality) –sources, spreading, immunity, mitigation, experiences, etc.
2. Devices and methods for power quality measurement and monitoring (diagnostic methods, equipment, procedures, etc.)
3. National and European power quality legislations and recommendations (standards, technical guidelines, regulations, procedures, etc.)
4. Effects of distributed generation on power quality (voltage levels, short circuit currents, harmonics, grid support – LVRT, etc.)
5. Integration rules for nonlinear loads and distributed generators, electromagnetic compatibility, security and interference.
6. Effects of poor power quality on load and distributed generators operation (technical problems, efficiency, reliability, costs, customer relations, etc.)
7. Overvoltage and overvoltage protection in distribution networks, effects of poor grounding on power quality, and other related topics.

EC 3: PROTECTION AND CONTROL IN DISTRIBUTION NETWORKS

chairman: Dušan VUKOTIĆ, M.Sc.E.E., Electric Power Distribution of Serbia, Belgrade

OPERATION

1. Maintenance strategies and condition assessment
2. Workforce management tools and techniques to improve operation efficiency
3. Data demand, data management and documentation
4. Restoration strategies and crisis management
5. Operation of industry grids

PROTECTION

6. The strategies during replacing SCADA systems, reconstruction of the protections and implementation of the substation automation systems
7. Impact of Distributed Generation ("DG") on traditional protection and control systems
8. New protection schemes and functions for up-to-date grid structures
9. Protection simulation models, tools and new functions
10. Reliability aspects of IEC 61850 based protection
11. Testing of protection relays, functions and systems
12. Post mortem analyses of faults and fault records

OPERATION AND COMMUNICATION

13. The automation of electric distribution networks
14. The electric distribution network control in a market driven environment
15. The usage of energy application within electric utilities
16. Providing system services on distribution level
17. Voltage control in MV and LV grids
18. The usage of communication systems for protection and network operation.
19. Security aspects of information access and information exchange
20. Communication techniques and protocols for "Smart Grids" and "Smart Metering"
21. Interdependency of network control and communication infrastructure

EC 4: DISTRIBUTED GENERATION AND EFFICIENT USE OF POWER

charman: Željko POPOVIĆ, PhD, Faculty of Technical Sciences, Novi Sad

1. Integration and managing of distributed energy resources (DER) in distribution networks
 - a. Active distribution network management in the presence of DERs
 - b. Development of control algorithms and philosophies
 - c. DER forecasting
 - d. Hosting capacity analysis in distribution networks
 - e. Micro-grids
 - f. Electrical vehicles

2. DER roles in business processes in distribution systems
 - a. Coordinating and managing DER and active customer activities across TSO-DSO interface
 - b. Benefits of energy storage and related control approaches
 - c. Active control of DER for whole system optimisation, efficiency and security
 - d. Role of DER in improving resilience of distribution networks.
 - e. Demand response
3. Efficient usage of electrical energy
 - a. Reducing network losses in distribution systems
 - b. Improving the efficiency of distribution systems
 - c. Role of distribution systems in delivering low carbon, sustainable energy supplies
4. Smart metering and advanced metering infrastructure (AMI)
 - a. Usage of smart meter information
 - b. Analytics and AMI case studies
 - c. Cost benefit analysis of AMI systems

EC 5: PLANNING OF POWER DISTRIBUTION SYSTEMS

chairman: Aleksandar JANJIĆ, PhD, Electronic Faculty in Niš

1. Demand and generation forecast
2. Performance requirements, results, and benchmarking
3. Network schemes and design criteria
4. Network planning
5. Investment strategies

EC 6: ELECTRICITY MARKET AND DEREGULATION

chairman: Nenad KATIĆ, PhD, Faculty of Technical Sciences, Novi Sad

1. Opening of electricity market and restructuring of electricity sector in the region, practice and experiences,
2. The Regulation, regulatory models, role of Regulators, changes and improvements,
3. Electricity market participants, supply models and market models,
4. Distributed Energy Resources in competitive environment of open electricity market.

REGISTRATION FEE

Registration fee is obligatory for all participants of the conference.

Full registration fee: **130 €**

Author's fee: **100 €**

**Prices do not include 20% VAT.*

Participants that are not the authors of papers can also gain the right for the lower fee in case when the firm from which they come from over five participants have already applied (first five participants pay the full fee and other the lowered one).

Students are free of charge for the registration fee under condition that all authors on the paper are students.

ABSTRACT SUBMISSION

Deadline for application and abstract submission is **January 25, 2022**.

Abstract should be submitted in English language in the following format:

Title of paper and short summary of maximum 300 words, without commercial aspects, with 4-6 key words

Abstract cannot contain special signs, formulas, tables or images and photographs

Authors (contact persons) will be notified of abstract acceptance not later than **February 22, 2022** when they will be given paper instructions.

Final version of paper should be written and submitted in Serbian language, while English version is voluntary. Deadline for submission of full paper is **April 25, 2022**.

Deadline for authors for paying the fee is **August 15, 2022**. Payment of fee within the given deadline is obligatory condition for including the paper in the conference program, book of abstracts and conference proceedings. Papers not included in the program cannot be presented at the conference.

Abstracts and papers must be submitted via an online application:
radovi.cired.rs

At the page given above authors are registering and creating an account which they will use to submit both abstract and the final paper.

ANNOTATION: If you have changed your email address in the meantime, and you had a previously opened account on the web application radovi.cired.rs, after logging in with the old email address, by clicking on your name and surname in the upper right corner, then by clicking on [Change data] you can change your email address, as well as other personal data.

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