




## FIRST ANNOUNCEMENT AND CALL FOR PAPERS

### 12<sup>th</sup> CONFERENCE ON ELECTRICITY DISTRIBUTION with regional participation

August 30 - September 3, 2021, Vrnjacka Banja, 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](http://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 (international conference) will be held in Geneva, September 20-23, 2021.

Additional information available at [www.cired.net](http://www.cired.net)

## 12<sup>th</sup> CIRED CONFERENCE IN SERBIA

CIRED Liaison Committee of Serbia in cooperation with respective CIRED Committees of Montenegro, Romania and other committees, companies and experts from the Region organizes the 12<sup>th</sup> Conference on Electricity Distribution of Serbia with regional contribution from August 30 - September 3, 2021, Zepter Hotel, Vrnjacka Banja, Serbia.

11<sup>th</sup> Conference was very well attended with 860 registered participants. A number of commercial participants reached a record number with 74 firms. With 168 foreign participants, the Conference once again confirmed its regional character. Of over 160 submitted papers, 120 were selected to be presented at the event.

Simultaneous interpretation will be organized in Serbian and English.

Members of the CIRED LC of Serbia Organizing Committee 2020:  
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, Elektrosrbija Kraljevo

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

## PREFERENTIAL SUBJECTS

EC 1: POWER NETWORKS ELEMENTS

Chairman: dr Vladimir ŠILJKUT, JP Elektroprivreda Srbije

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

EC 2: POWER QUALITY IN DISTRIBUTION SYSTEMS

Chairman: Prof. dr Vladimir KATIĆ, Faculty of technical sciences in 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. Integration rules for nonlinear loads and distributed generators
5. Effects of poor power quality on load and distributed generators operation (technical problems, efficiency, reliability, costs, customer relations, etc.)
6. Electromagnetic compatibility, security and interfeerention
7. Overvoltage and overvoltage protection in distribution networks, effects of poor grounding on power quality, and other related topics

EC 3: PROTECTION AND OPERATION OF THE ELECTRIC NETWORK  
Chairman: Dušan Vukotić, M.Sc.E.E., DSO „EPS Distribution“

#### 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 PRODUCTION AND EFFICIENT USE OF POWER  
Chairman: dr Željko POPOVIĆ, Faculty of technical sciences in Novi Sad

1. Integration of distributed energy resources (DER) in distribution networks
  - a. Active distribution network management in the presence of DERs
  - b. DER forecasting
  - c. Hosting capacity analysis in distribution networks
  - d. Micro-grids
  - e. Electrical vehicles
2. Demand response
3. Efficient usage of electrical energy
4. Smart metering and advanced metering infrastructure (AMI)

EC 5: DISTRIBUTION SYSTEMS PLANNING  
Chairman: dr Aleksandar JANJIĆ, Electronic faculty in Nis

#### LOAD FORECASTING

1. Load characteristics of particular consumer categories
2. Impact of microgeneration on long-term forecasting of load and consumption
3. Methods for predicting loads in small areas

#### NETWORK STRUCTURES AND PLANNING CRITERIA

4. Increasing the reliability of the distribution network
5. Structures of networks for accepting distributed production
6. Impact of new ICT technologies on network structure
7. Distribution System Planning Criteria
8. Technical parameters related to planning

#### DEVELOPMENT PLANNING, INVESTMENTS

9. Preparation of system development and construction plans, risk analysis
10. Organizational and financial factors in making plans
11. Investment in replacement of worn out equipment
12. Optimization methods in planning
13. “Benchmarking” of operator work in the system planning process

EC 6: DEREGULATION, OPEN MARKET AND UTILIZATION OF ELECTRICITY  
Chairman: dr Nenad Katić, University of Novi Sad

1. Practice and experiences in opening of electricity market and restructuring of electricity sector in the region
2. Practice and experiences in use of new regulation
3. Participants in open electricity market, electricity providers and supply 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: **110 €**

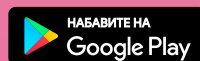
Author's fee: **80 €**

*\*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 5 participants have already applied (first 5 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.

**All information on the conference are available via application:  
CIRED LC Serbia 2020**



### ABSTRACT SUBMISSION

Deadline for application and abstract submission is **September 28, 2020**.

**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.**

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 **November 13, 2020** 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 **December 14, 2020**.

#### Important!

Deadline for authors for paying the fee is **July 15, 2021**. 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.

#### CONFERENCE TECHNICAL SECRETARIAT



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