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CONFERENCE PROGRAM

Serbian Academy of Sciences and Arts – SASA
Belgrade, May 26-27, 2026



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May 26, 2026

Serbian Academy of Sciences and Arts – SASA, Grand Hall

09:00 – 09:30 Participant Registration

09:30 – 10:30 Opening Ceremony | Grand Hall

- Dr. Jelena Lukić, Nikola Tesla Institute
- Academician Zoran Popović, Vice President of Serbian Academy of Sciences and Arts
- Prof. dr. Viktor Nedović, SAIGE PIU
- Dr. Zoran Simendić, Serbian national CIREC committee
- Nebojša Petrović, Serbian national CIGRE committee
- Dr. Maja Grbić, Nikola Tesla Institute

10:30 – 11:00 Coffee Break | Serbian Academy of Sciences and Arts Restaurant

Grand Hall:

11:00 – 12:15 Session 1 – Digital and predictive solutions in power systems – part one

1. [Prof. dr. Vladimir Terzija](#), System Integrity Protection Schemes (SIPS) Against Cyber-Attack-Induced Outages
2. [Ramon Perez](#), Using Large Language Models (LLMs) to classify fault types in power generating equipment maintenance records
3. [Dr. Nenad Kartalović](#), [Đorđe Jovanović](#), [Dr. Filip Kilibarda](#), [Dr. Uroš Radoman](#), Permanent Monitoring of Partial Discharges: Experiences in Complex Generator Diagnostics

12:15 – 12:45 Coffee Break | Serbian Academy of Sciences and Arts Restaurant

Grand Hall:

12:45 – 14:50 Session 2 – Green energy and environmental impact of power facilities

1. [Prof. dr. Aldo Canova](#), Electromagnetic Impact of Inductive Power Transfer for Car Recharging
2. [Dr. Svetlana Jovanović](#), Innovative textile fibers developed within the GrInShield project: functionalization of cotton with graphene oxide and selected rare-earth nanoparticles as new EMI shielding fabrics
3. [Dr. Maja Grbić](#), Exposure of the General Public to Low-Frequency Electromagnetic Fields in the Living Environment – Regulatory Framework, Sources, and Field Levels
4. [Ahmed Gamil](#), Natural Ester Dielectric Fluids for Safer, More Sustainable Power Transformers - A Strategic Analysis of FR3 & FR3r
5. [Dejan Vuković](#), World's largest 765 kV ester transformer – Innovative technology for sustainable future

14:50 – 16:00 Lunch Break | Serbian Academy of Sciences and Arts Restaurant

Grand Hall:

16:00 – 18:30 Session 3 – KTT (Knowledge and Technology Transfer)

1. [Dr. Richard S. Cahoon](#), Commercialization strategies for deep-tech solutions of public sector research institutions & tech transfer and commercialization pathways, for social/environmental impact
2. KTT round table – panel discussion
3. [Dr. Uroš Kovačević](#), [dr. Vladeta Milenković](#), Development and application of a measurement system for live-line determination of ratio and phase displacement errors of high-voltage instrument transformers under real operating conditions without interrupting electrical power supply
4. [Teodora Leopold](#), Drafting methodology and examination criteria of patent applications
5. [Saša Zdravković](#), [dr. Snežana Šarboh](#), Intellectual property and patents of Slavko Bokšan

19:00 – 21:00 Cocktail | Lumière Hotel - [Terazije 4](#)

May 27, 2026

Serbian Academy of Sciences and Arts – SASA, Grand Hall

Grand Hall:

9:00 – 10:15 Session 1 – Digital and predictive solutions in power systems – part two

1. [Prof. dr Richard Brown](#), Alternative analytical approaches applied to transformer materials
2. [Letizia De Maria](#), [Prof. dr Luigi Zeni](#), Optical fibers for chemical and physical detection in power plants
3. [Msc. Mihajlo Ristić](#), [Zdravko Ristić](#), [Dr. Vladimir Polužanski](#), Monitoring of Wind Power Plant Generators

10:15 – 11:15 Coffee Break | Serbian Academy of Sciences and Arts Restaurant

10:15 – 11:15 Poster Session | Serbian Academy of Sciences and Arts Restaurant

1. [Miroslav Stanković](#), [Jelena Dabić](#), [Jovana Đoković](#), [Danka Petrović](#), Power Distribution Network Development Planning in the Belgrade Distribution Area
2. [Lazar Nikolić](#), [Tamara Mandić](#), [Milica Dilparić](#), [Sara Stamatović](#), Analysis of the Maximum Capacity of Solar Power Plants that Can Be Connected to the Load Area of a Distribution Transformer Considering Its Thermal Characteristics
3. [Ivana Raičević](#), [Aleksandar Pavlović](#), [Dr. Maja Grbić](#), Impact of Mobile Telephony Base Stations on the General Public from the Aspect of Electromagnetic Fields and Proposed Protection Measures
4. [Zlatko Simeunović](#), [Jelena Nikolić](#), [Dejan Žukovski](#), [Miloš Stanisavljević](#), Installation of a New Transformer Unit with the Appropriate Control and Protective Equipment in TPP Kostolac A
5. [Dr. Vladimir Polužanski](#), [Msc. Nikola Miladinović](#), [Dr. Filip Kilibarda](#), [Dr. Uroš Radoman](#), [Dr. Nenad Kartalović](#), [Jelena Lazić](#), [Đorđe Jovanović](#), [Prof. dr. Dušan Barać](#), [Ramon Perez](#), [Carlos Blancarte](#), Predictive Maintenance of Hydro Units: A Data-Driven Approach
6. [Dr. Jelena Janković](#), [Dr. Jelena Lukić](#), [Dejan Kolarski](#), [Vladimir Ivančević](#), [Dr. Draginja Mihajlović](#), Tesla'Ssorb and TeslaCleans: A Synergistic Approach to Silver Corrosion Mitigation in Power Transformers
7. [Dr. Maja Grbić](#), [Katarina Maksić](#), [Ranko Jasika](#), [Aleksandar Pavlović](#), Analysis of Safety of Workers Due to Electromagnetic Induction During Maintenance on Parallel Transmission Lines
8. [Msc. Ljubiša Čičkarić](#), Infrared Thermography as a Diagnostic Tool for Condition Assessment of Power Transformers
9. [Dr. Đorđe Lazarević](#), Technical and Operational Characteristics of Modern Nuclear Power Plants for Power System Integration

Grand Hall:

11:15 – 13:45 Session 4 – Control, regulation and planning in adaptive power systems of the new generation

1. [Dr. Milan Prodanović](#), A Grid Under Stress: Lessons from the Spain Blackout
2. [Dr. Nikola Mirković](#), [Dr. Slavko Veinović](#), [Ivan Kuraj](#), [Msc. Blagota Jovanović](#), [Mladen Ostojić](#), The importance of modular uninterrupted power supply systems in modern power systems
3. [Živko Sokolović](#), Transformer-Based Approach for Electricity Load Forecasting
4. [Milica Dilparić](#), [Sara Stamatović](#), [Miroslav Stanković](#), Distribution network hosting capacity for connecting distributed energy resources (DER) in the Belgrade consumption area
5. [Nikola Kovačević](#), Increasing Solar Power Plant Energy Utilization Factor by Powering Electrolyzers and Green Hydrogen Production
6. [Prof. dr. Jovica Milanović](#), An Approach to Decoupled Simulation of Integrated Electrical System

13:45 – 14:15 Coffee Break | Serbian Academy of Sciences and Arts Restaurant

Grand Hall:

14:15 – 15:40 Session 5 – IEEE PES Women in Power

1. [Dr. Jelena Ponoćko](#), Presentation of IEEE Power and Energy Society
2. [Prof. dr. Marija Cundeva-Blajer](#), Metrology 5.0 and Quality Infrastructure Sustainability for Resilient Power Systems of the Future
3. [Dr. Jelena Lukić](#), [Dr. Jelena Janković](#), [Dejan Kolarski](#), [Milica Đukić](#), Corrosive Sulphur - Recurring phenomenon impacting power transformer reliability
4. [Maja Adamović](#), Windfarm Vetrozelena: Basic Technical Specifications, Position and its Environmental Impact

15:40 – 16:40 Lunch Break | Serbian Academy of Sciences and Arts Restaurant

Grand Hall:

16:40 – 18:10 Session 6 – Projects in Action: Shaping the Future through Innovation

1. [Dr. Valentina Janev](#), [Prof. dr. Mario Vražić](#), [Prof. dr. Živko Kokolanski](#), *Opening and framing of Session 6 – Projects in Action (organized by the GOTOTWIN project)*
2. [Prof. dr. Živko Kokolanski](#), Advancing Renewable Energy in the Adriatic Ionian Region through the Use of Digital Twins - GOTOTWIN
3. [Dr. Jasna Dragosavac](#), [Dr. Žarko Janda](#), [Dr. Ilija Klasnić](#), [Milica Đukić](#), [Anita Mijajlović](#), [Jovan Stevanović](#), Socially and Environmentally harmonized HYDRopower Operations – SE-HYDRO
4. [Daniel Denkoski](#), Shaping the Future Through Innovation: FEIT platform and Call for Experimentation
5. [Luka Budin](#), [Despoina Kothona](#), GOTOTWIN Living Labs (Greece, Croatia)
6. [Katarina Stanković](#), [Dea Jelić](#), [Marko Jelić](#), PUPIN Living Lab and related EU projects (STUNNED and ECHO)
7. Closing remarks and transition to awarding acknowledgements and closing ceremony

18:10 – 18:40 Awarding acknowledgements to lecturers and donors and closing ceremony

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