

40. Međunarodno Savetovanje  
International Conference

ENERGY  
**ENERGETIKA 2025**



**PROGRAM SAVETOVANJA**  
CONFERENCE PROGRAM



*14 - 17. april 2025, hotel Zlatibor Resort, Zlatibor*



**ЕЛЕКТРОПРИВРЕДА  
СРБИЈЕ**



Savez energetičara  
Association of Energy Sector Specialists

**Utorak 15. april 2025 / Tuesday, April 15, 2025**

**12:00 – 13:30 | PANEL 1**

**Zelena energija i energetska tranzicija – izazovi i ciljevi za 2030/2050**  
Green Energy and energy transition – challenges and goals 2030/2050

**16:00 – 17:30 | PANEL 2**

**Izazov i šansa – mirnodopsko korišćenje nuklearne energije u Srbiji**  
Challenges and opportunity - Peaceful use of nuclear energy in Serbia

**Sreda, 16. april 2025 / Wednesday, April 16, 2025**

**12:00 – 13:30 | PANEL 3**

**ETS i CBAM – šta je za Srbiju i region bolje**  
ETS and CBAM – What is better for Serbia and the region

**16.00 – 17.30 | PANEL 4**

**Efekti izmena Zakona o energetici / Sve što niste znali o izmenama ZoE, a plašili ste se da pitate**

Effects of changes to the Energy Act / Everything you didn't know about changes in Energy Act and were afraid to ask

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# ZAŠTO PRISUSTVOVATI SAVETOVANJU

## PREKO 300 UČESNIKA IZ OBLASTI ENERGETIKE

### ČETIRI PANELA NA TEMU KLJUČNIH AKTUELNOSTI U ENERGETICI

## PREKO 120 KONFERENCIJSKIH SAOPŠTENJA

**Jubilarno 40. međunarodno savetovanje ENERGETIKA 2025** u organizaciji udruženja Saveza energetičara sa tradicijom dugom 106 godina, sigurno je skup od koga se očekuje da napravi osvrt na energetiku u prošlosti, da napravi presek aktuelnog stanja u energetici Srbije, regiona i šire i konačno da pogleda i u budućnost energetike. Naša je namera da okupimo eksperte iz energetske struke koji bi kroz svoje doprinose na profesionalan način sagledali otvorena pitanja i ponudili najbolje moguće odgovore na ta pitanja.

Upravljanje razvojem energetike danas je složen proces sa jako omeđenim manevarskim prostorom za nalaženje optimalnih rešenja. Na ta rešenja utiču i klimatske promene, prirodni energetske resursi, raspoložive tehnologije, ekonomska profitabilnost projekata ali i ciljevi postavljeni na putu dekarbonizacije energetike. Savez energetičara kao profesionalno udruženje nastoji da ostane jedinstvena platforma na kojoj se sučeljavaju svi delovi integralnog energetskeg sektora i tribina za formulisanje zajedničkih ciljeva.

Ova 2025. godina je karakteristična i po tome da su aktivna tri dokumenta od ogromnog značaja za energetske sektor: Integrisani nacionalni energetske i klimatske plan, Strategija razvoja energetike i Izmene i dopune Zakona o energetici. Za sva tri dokumenta se može konstatovati da su dobar iskorak u smeru kretanja prema dekarbonizovanoj energetici Srbije. Pred energetskeg sektorom je važniji deo posla: realizacija ciljeva iz strateških dokumenata. Za uspešnost realizacije ciljeva jedan od potrebnih uslova je kvalitetna domaća struka koja se svakako profiliše i preko Saveza energetičara. Imajući u vidu brzinu promena u sektoru svakako je potrebno da se tokom ostvarivanja Strategije uzmu u obzir tehničko – tehnološke i komercijalne promene koje mogu uticati na realizaciju projekata u energetskeg sektoru.

Savez energetičara smatra da mi pre svega zbog nas samih (odnosno zbog energetike bazirane na fosilnim gorivima čije vreme polako ističe) treba da brže krenemo na dugi put dekarbonizacije. Jednim manjim delom to činimo i zbog naših namera da postanemo punopravni član Evropske unije. Na tom dugom putovanju (ime mu je ENERGETSKA TRANZICIJA) za očekivati je još puno tehnoloških unapređenja i puno dobrih razvojnih prilika za Srbiju, uz ostvarenje ideje pravedne tranzicije i dostizanja idealizovanog *win - win* scenarija! Savez energetičara ima nameru da zajedno sa ekspertskom zajednicom pruži maksimalan doprinos ovim ciljevima.

Svet je pod pritiskom globalnih klimatskih promena ubrzanije krenuo u proces dekarbonizacije energetike, Evropa je tu svakako lider, ali zbog geostrateških tektonskih pomeranja (rat u Ukrajini i na Bliskom istoku) privremeno se pojavljuju i opcije vraćanja u pogon termoelektrana na ugalj i slične ekskurzije. Isto tako i elektrifikacija transporta, široko uvođenje vodonika i intenzivnije korišćenje nuklearnih tehnologija su u fazi preispitivanja. Sva je prilika da mi u regionu moramo da ubrzamo i sa solarnim i sa vetroelektranama a usporenost dobijanja građevinskih dozvola stoji kao smetnja. Posebno se usporilo kod priključenja na distributivnu mrežu a mora se ukazati da se od distributivnog nivoa (distribuirana proizvodnja) očekuje značajan doprinos u podmirivanju ukupnih energetskeg potreba (do 30% ukupne finalne potrošnje energije). Pogled ka sredini ovog veka u energetici svakako nameće pitanje čime će region i Republika Srbija zameniti ugalj? Koliko mogu sami obnovljivi izvori energije i šta i u kojoj meri se očekuje od korišćenja vodonika (i u mnogim tehnološkim rešenjima i od amonijaka), a šta od nuklearne energetike sa potencijalnim primenama malih modularnih nuklearnih reaktora (sa snagama i preko nekoliko stotina MW)? Šta nam od ovih tehnologija može biti dostupno? Finansijski i ekonomski aspekti energetske tranzicije predstavljaju dodatni izazov baš kao i pitanja vezana za uvođenje cene emisije ugljendioksida i eventualnu primenu sistema EU ETS. Kako uraditi izbor najpovoljnijih opcija i koji je pravi odgovor na uvođenje karbonske takse na uvoz u EU (EU CBAM)?

Energetske tranzicija, pored tehnoloških promena, finansijskih i ekonomskih izazova, donosi i značajne promene u socijalnoj sferi. Pojava i rast broja prozjumeru u Republici Srbiji kao i nekoliko energetskeg zadruga su ohrabrujući znaci na putu demokratizacije energetike. Ali, kako intenzivirati ove procese? Kako da cena energije ostane dostupna građanima i privredi, da se izbegnu zamke vođenja socijalne politike preko energetike? Ima li mesta za domaćinstva i pojedince u kreiranju energetske politike (posebno u domenu toplotne energije)? Ima li energetskeg zadrugarstvo u korišćenju biomase budućnost u Srbiji?



# WHY ATTEND THE CONFERENCE

OVER 300 PARTICIPANTS FROM THE ENERGY FIELD  
FOUR PANELS ON THE TOPIC OF KEY NEWS IN ENERGY  
OVER 120 CONFERENCE ANNOUNCEMENTS

**The 40th Jubilee International Conference ENERGY 2025**, organized by the Association of Energy Specialists with its 106 years long tradition, is certainly a meeting that is expected to review energy past, to make an overview of the current state of energy in Serbia, region and beyond, and finally to take a look at the future. Our intention is to gather energy experts who would be able to give a professional approach to all the open questions and offer the best possible answers to those questions through their scientific and business contribution.

Managing energy development nowadays is a complex process with very limited maneuvering space for finding optimal solutions. These solutions are also affected by climate change, natural energy resources, available technologies, the economic profitability of projects, but also the objectives aimed towards energy decarbonization. Association of Energy Specialists strives to remain a unique platform where all parts of the integral energy sector meet and a forum for formulating common goals.

The year 2025 is also characterized by the fact that three documents of enormous importance for the energy sector are active: the Integrated National Energy and Climate Plan, the Energy Development Strategy and Amendments to the Energy Law. It can be concluded that all three documents are a good step towards energy being decarbonized in Serbia. The energy sector challenged now is: the achievement of goals stated within given strategic documents. For that to be successful one necessary condition is certainly having high-quality domestic professionals, which are profiled through the Association of Energy Specialists. Considering the pace of changes in the sector, it is unquestionably that technical-technological and commercial changes should be taken into consideration, as for their potential effect on the implementation of projects that are an integral part of the Strategy.

Association of Energy Specialists believes that for starters, for our own sake (that is, for the sake of energy based on fossil fuels, whose time is slowly running out), we should start the long road of decarbonization as soon as possible. Partially, the before mentioned is also a part of our intention of becoming a full member of the European Union. On this long journey (its name is ENERGY TRANSITION), we can expect many more technological improvements and many good development opportunities for Serbia, together with an idea of just transition and the achievement of an idealized win-win scenario! Association of Energy Specialists intends to give its maximum to achieving these goals, together with the expert community.

The world, under the pressure of global climate changes, started the process of energy decarbonization more rapidly, with Europe leading, but due to geostrategic tectonic shifts (war in Ukraine and the Middle East), options for resuming operation of coal-fired power plants and similar excursions are temporarily revived. Likewise, the electrification of transport, the widespread introduction of hydrogen and the intensive use of nuclear technologies are under review. It is certain that within the region it is also necessary to speed up both solar and wind power plants, where the sluggishness of obtaining construction permits is a hindrance. The process of permits is especially slow for connections to the distribution network, even though a significant contribution is expected from the distribution level (distributed production) in meeting total energy needs (up to 30% of the total final energy consumption).

The question for Serbia and the region for the future is about what will be used to replace coal? How many renewable energy sources are possible and what and to what extent is expected from the use of hydrogen (in many technological solutions also the use of ammonia), and what about nuclear energy with potential use of small modular nuclear reactors (with a power of over several hundred MW)? What could be available to us among these technologies? Financial and economic aspects of the energy transition represent an additional challenge, as well as issues related to the introduction of carbon dioxide emission prices and the eventual implementation of the EU ETS system. How to choose the best option and which is the right answer to the introduction of the carbon tax on imports into the EU (EU CBAM)?

Energy transition, in addition to technological changes, financial and economic challenges, also brings significant changes in the social sphere. The emergence and growth of the number of prosumers in the Republic of Serbia, as well as several energy cooperatives, are encouraging signs on the way to the democratization of energy. But how to intensify these processes? How can the price of energy remain accessible to citizens and the economy, to avoid the pitfalls of conducting social policy through energy? Is there a place for households and individuals in the creation of energy policy (especially in the field of thermal energy)? Does the energy cooperative in the use of biomass have a future in Serbia?

Ovo su pitanja koja će, po logici stvari, dominirati u raspravama koje će se voditi na međunarodnom savetovanju ENERGETIKA 2025 i od odgovora na ta pitanja značajno će zavisiti razvoj energetike regiona.

Ovo međunarodno savetovanje je uvek bilo i omiljena tribina na kojoj su stručnjaci sa univerziteta, naučnih instituta i privrede, iz zemlje i sveta, izlagali svoje naučne rezultate i diskutovali o njima, od kojih su oni koji su prolazili recenzentsku proceduru objavljavani u našem poznatom naučnom časopisu „ENERGIJA“ i drugim visoko rangiranim svetskim naučnim časopisima. Tako će biti i ovaj put, a očekuje se da će dominirati naučni prilozi u sledećim oblastima:

- *strateško planiranje razvoja energetike i energetska politika,*
- *razvoj i primena metoda veštačke inteligencije i analitičkih metoda i alata u energetske sistemima,*
- *široko korišćenje obnovljivih izvora energije,*
- *zaštita životne sredine i energetska efikasnost kao poluge u dostizanju optimalnog energetske miksa,*
- *tehničko-tehnološki izazovi u vezi sa razvojem novih energetske tehnologija*
- *korišćenje nuklearne energije (nove male modularne elektrane, radioaktivni otpad, socijalni aspekti,...),*
- *cirkularna ekonomija u energetske i drugim sektorima,*
- *razvoj i korišćenje energetske efikasne hibridne i električne vozila,*
- *energetske tržišta i tržišta emisija,*
- *pametne prenosne i elektrodistributivne mreže,*
- *obrazovanje i kadrovi za održivi razvoj koji će biti spremni da nas vode ka energetici bez ugljenika.*

U okviru Savetovanja ENERGETIKA 2025, u saradnji sa „Elektroprivredom Srbije“ biće održani paneli sa aktuelnim temama i pozivna predavanja, kao i uvek očekuju vas prezentacije radova, marketinške prezentacije i izložbe o dostignućima u energetici. Posebna pažnja biće usmerena na inovacije u energetici gledano očima mladih (SAVEZ ENERGETIČARA smatra da je priprema i uvođenje mladih u istraživačke, privredne i društvene tokove od presudnog značaja za razvoj Srbije, pa ćemo nastojati da podstaknemo energetske kompanije da na ovom Savetovanju započnu sa formiranjem „BERZE POSLOVA ZA MLADE ENERGETIČARE“). Na savetovanju ENERGETIKA 2025 biće svečano uručena priznanja za naučno-istraživačke doprinose i diplome sa novčanim nagradama za ostvarenja mladih istraživača.

Ko-predsednici organizaciono - programskog odbora:

**Prof. dr inž. Milun J. Babić**

**Prof. dr inž. Nikola Rajaković**

## **ENERGETIKA 2025** - oblasti od interesa:

- (1) OBNOVLJIVI IZVORI ENERGIJE (SUNCE, VETAR, VODA, BIOMASA, BIOGAS, GEOTERMALNA ENERGIJA...);
- (2) KONVENCIONALNA I NUKLEARNA ENERGETIKA (UKLJUČUJUĆI I MALE MODULARNE NUKLEARNE REAKTORE) I NJIHOVO SUOČAVANJE SA ENERGETSKOM TRANZICIJOM;
- (3) POVEZIVANJE ELEKTROENERGETSKOG SEKTORA SA SEKTORIMA GREJANJA, TRANSPORTA I INDUSTRIJE;
- (4) ELEKTROENERGETSKE MREŽE I TRŽIŠTA U ENERGETICI;
- (5) ENERGETSKA EFIKASNOST (DOMAĆINSTVA, KOMUNALNI SEKTOR, INDUSTRIJA, ZGRADARSTVO...);
- (6) TEHNOLOGIJE ZA SKLADIŠTENJE ENERGIJE;
- (7) MULTISEKTORSKI ZADACI U OBLASTI UNAPREĐENJA ŽIVOTNE SREDINE NA PUTU RS PREMA EU;
- (8) EKONOMSKA I REGULATORNO-RAZVOJNA PITANJA ENERGETSKOG SEKTORA.

Pored **usmenih izlaganja** po oblastima (sesije), biće organizovane i **panel diskusije**. Za sve diskusije (panele) biće obezbeđeni kompetentni uvodničari, a u raspravi će uzeti učešće i specijalni gosti (pozvani predavači iz zemlje i inostranstva), predstavnici državnih tela, energetske i industrijske kompanije i naučno-istraživačkog sektora.

These are the questions that will dominate the discussions that will be held at the ENERGY 2025, and the development of the energy sector in the region will significantly depend on the answers to these questions.

The international conference ENERGY 2025 has always been a favorite forum where experts from universities, scientific institutes, and businesses, from the country, region and all over the world, presented their scientific results and discussed them, of which those who passed the review procedure were published in our famous scientific journal ENERGY, and other highly ranked world scientific journals. It will be the same this time, and scientific contributions in the following areas are expected to dominate the event:

- *strategic planning of energy development and energy policy*
- *development and application of AI methods and analytical methods and tools in energy systems*
- *wide use of renewable energy sources*
- *environmental protection and energy efficiency as levers in reaching the optimal energy mix*
- *modern technical-technological challenges related to industrial development*
- *use of nuclear energy (new small modular reactors, radioactive waste, social aspects...)*
- *circular economy in energy and other sectors*
- *development and use of energy-efficient hybrid and electric vehicles*
- *energy markets and emission markets*
- *smart transmission and distribution networks*
- *education and personnel for sustainable development who will be ready to lead us towards carbon-free energy sector*

As part of the ENERGY 2025 Conference, in collaboration with "Elektroprivreda Srbije," panels on current topics and keynote lectures will be held. As always, you can expect presentations of papers, marketing presentations, and exhibitions showcasing achievements in the energy sector. Special attention will be given to innovations in energy from the perspective of young people. ASSOCIATION OF ENERGY SECTOR SPECIALISTS believes that preparing and integrating young people into research, economic, and social streams is crucial for Serbia's development. Therefore, we will encourage energy companies to start forming a "JOB MARKET FOR YOUNG ENERGY PROFESSIONALS" at this conference. During the ENERGY 2025 conference, awards for scientific research contributions and diplomas with cash prizes for young researchers' achievements will be ceremoniously presented

Co-presidents of the organizational and program committee:



**Prof. Milun Babić, PhD**



**Prof. Nikola Rajaković, PhD**

## **ENERGY 2025** – areas of interest:

- (1) RENEWABLE ENERGY SOURCES (SUN, WIND, WATER, BIOMASS, BIOGAS, GEOTHERMAL ENERGY, ...);
- (2) CONVENTIONAL ENERGY AND ITS CONNECTIONS WITH ENERGY TRANSITION.
- (3) SECTOR COUPLING - CONNECTING THE ELECTRICITY SECTOR WITH THE HEATING, TRANSPORT, AND INDUSTRY SECTORS.
- (4) ELECTRICITY NETWORKS AND ENERGY MARKETS.
- (5) ENERGY EFFICIENCY (HOUSEHOLDS, PUBLIC SECTOR, INDUSTRY, BUILDINGS...);
- (6) ENERGY STORAGE TECHNOLOGIES.
- (7) MULTISECTORAL TASKS IN THE FIELD OF ENVIRONMENTAL IMPROVEMENTS ON THE ROAD OF THE REPUBLIC OF SERBIA TOWARDS THE EU;
- (8) ECONOMIC AND REGULATORY-DEVELOPMENT ISSUES OF THE ENERGY SECTOR.

*In addition to **oral presentations** within several sessions, **panel discussions** will be organized. Competent speakers will be provided for all discussions (panels), and special guests (invited lecturers from the country and abroad), representatives of state bodies, energy and industrial companies and the scientific-research sector will also take part in the discussion.*

## ORGANIZACIONO-PROGRAMSKO-NAUČNI ODBOR

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**Prof. dr Nikola Rajaković**, Predsednik Saveza energetičara, Srbija  
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**Dejan Stojanović**, Udruženje toplana Srbije, Srbija



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**Prof. Dr. Nikola Rajaković**, President of the Association of Energy Sector Specialists

**Prof. Dr. Milun Babić**, President of the Assembly of the Association of Energy Sector Specialists

### Secretariat:

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**Dr. Ilija Batas Bijelić**, research associate, member of the Board of Directors of the Association of Energy Sector Specialists

**Sandra Alagić**, General Secretary of the Association of Energy Sector Specialists

**Doc. dr Tomislav Rajić**, editor of the web site of the Energy Association, Faculty of Electrical Engineering, University of Belgrade, Serbia

**Tanja Krstonijević**, public relations sector director, EPS, Serbia

**Dr. Iva Batić**, Deputy Editor-in-Chief of the journal "Energy, Economy, Ecology", Serbia

**Doc. dr. Jelena Stojković Terzić**, Faculty of Electrical Engineering, University of Belgrade, Serbia

**Marko Popović**, Director of BBN Congress Management doo

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**Prof. Dr. Jovan Mikulović**, Faculty of Electrical Engineering, University of Belgrade, Serbia

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**Milan Đorđević, B.Sc. el. Eng.**, EPS, Serbia

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**Maja Turković**, CWP, Serbia

**Dragoljub Damljanović**, Schneider Electric, Serbia

**Aleksandar Ćosić**, ABB, Serbia

**Srdan Srdanović**, Siemens, Serbia

**Petar Šainović**, Siemens Energy, Serbia

**Aleksandar Skulić**, Meter & Control, Serbia

**Ljubo Mačić**, consultant, Serbia

**Željko Marković**, Scitech, Belgrade, Serbia

**Angel Nikolaev**, Black Sea Energy Research Center (BSERC), Bulgaria

**Miloš Mladenović**, SEEPEX, Serbia

**Mladen Apostolović**, EFT, Serbia

**Bojan Papić**, Mihajlo Pupin Institute, University of Belgrade, Serbia

**Slobodan Jerotić**, Association of Heating Plants of Serbia, Serbia

**Dejan Stojanović**, Association of Heating Plants of Serbia, Serbia

**Ponedjeljak, 14. april 2025 / Monday, April 14, 2025**16:00 **REGISTRACIJA UČESNIKA / REGISTRATION**18:00 **Svečano otvaranje Savetovanja / Opening ceremony***Prof. dr Nikola Rajaković**Prof. dr Milun Babić**g-din. Dušan Živković, generalni direktor EPS / general manager EPS**Predstavnici elektroprivreda regiona / Representatives of regional power utilities**g-din. Milan Aleksić, savetnik ministarke rudarstva i energetike Republike Srbije / Advisor to the Minister of Mining and Energy of the Republic of Serbia**Dodela zahvalnica sponzorima / Handing acknowledgements to conference sponsors**Umetnički program / Art Program*19:30 **Koktel dobrodošlice / Welcome cocktail****Utorak 15. april 2025 / Tuesday, April 15, 2025**08:00 **REGISTRACIJA UČESNIKA / REGISTRATION**09:00 – 09:30 **Predavanje po pozivu / Invited lecture***Moderator: prof. dr Dušan Gordić***SUPPORT OF A DECARBONIZED DISTRICT HEATING AND COOLING SECTOR IN EUROPE***Dominik Rutz*09:30 – 11:30 **Paralelne sesije / Parallel Sessions 1**OKRUGLI STO / ROUND TABLE 1 - Sala / Hall - Zlatni Bor**SARADNJOM PRIVREDE, CIVILNOG SEKTORA I UNIVERZITETA DO KVALITETNIH****STRUČNJAKA ZA OBLAST ENERGETIKE – iskustva i putokazi****COOPERATION OF THE ECONOMY, CIVIL SECTOR AND UNIVERSITY TO PROVIDE QUALITY****EXPERTS FOR THE ENERGY SECTOR - experiences and roadmaps***Moderator: prof. dr Milun Babić**Učesnici: prof. dr Nikola Rajaković, prof. dr Milan Petrović, Slobodan Babić, Mladen Simović,**Milenko Nikolić, Sandra Alagić*Specijalna sesija / Special session - Sala / Hall - Crni Bor**Energetska efikasnost u zgradarstvu / Energy efficiency within construction***Moderator: Prof. dr Miloš Banjac*Specijalna sesija / Special session - Sala / Hall 3**Energetska politika i izazovi za pravo energetike / Energy policy and challenges in energy law***Moderator: Dr Branislava Lepotić Kovačević*11:30 – 12:00 *Kafe pauza / Coffee break*12:00 – 13:30 **PANEL 1 - Sala / Hall - Zlatni Bor****Zelena energija i energetska tranzicija – izazovi i ciljevi za 2030/2050****Green Energy and energy transition – challenges and goals 2030/2050***Moderator: prof. dr Nikola Rajaković**Panelisti / Panelists:**Dušan Živković, EPS**Luka Petrović, ERS**Milutin Đukanović, EPCG**Sanel Buljubašić, EP BiH*

13:30 – 14:45 **Prezentacije sponzora Savetovanja / Conference sponsors presentations - Sala / Hall - Zlatni Bor**  
Predsedavajući / Chairman: *Sandra Alagić*

13:30 – 14:00 **ABB**

14:00 – 14:15 **SIEMENS**

14:15 – 14:25 **Elnos Group**

14:25 – 14:45 **PROINTER Group**

14:45 – 16:00 *Pauza za ručak / Lunch break*

16:00 – 17:30 **PANEL 2 - Sala / Hall - Zlatni Bor**

**Izazov i šansa – mirnodopsko korišćenje nuklearne energije u Srbiji**

**Challenges and opportunity - Peaceful use of nuclear energy in Serbia**

Moderator: *Jelica Putniković*

Panelisti / Panelists:

*Maja Tomić, Ministarstvo rudarstva i energetike*

*Dr Đorđe Lazarević, Institut Nikola Tesla*

*Prof. dr Koviljka Stanković, ETF, Srpsko*

*Slavko Dimović, Institut VINČA*

*nuklearno društvo*

*Prof. dr Vladimir Stevanović, Mašinski fakultet*

17:30 – 17:45 *Kafe pauza / Coffee break*

17:45 – 19:45 **Paralelne sesije / Parallel Sessions 2**

Specijalna sesija / Special Session - Sala / Hall - Zlatni Bor

**Softverski alati u energetici / Software tools in Energy**

Moderator: *Dr Tomislav Rajić*

Specijalna sesija / Special Session - Sala / Hall – Crni Bor

**Automatizacija u industriji i energetici (PRAKTIČNI ASPEKTI REALIZACIJE I PRIMENE ENERGETSKIH SISTEMA NAPAJANJA)**

**Automation in industry and energy (PRACTICAL ASPECTS OF IMPLEMENTATION AND APPLICATION OF POWER SUPPLY SYSTEMS)**

Moderator: *prof. dr Željko Despotović*

Specijalna sesija / Special Session - Sala / Hall 3

**Otvorene teme i inovacije u sektoru grejanja i hlađenja / Open subjects and innovations in heating and cooling sector**

Moderator: *Slobodan Jerotić*

21.00 – 00:00 **PROINTER GROUP** *Korporativna žurka / Corporate party*

**Sreda, 16. april 2025 / Wednesday, April 16, 2025**

08:30 REGISTRACIJA UČESNIKA / REGISTRATION

09:00 – 09:30 **Predavanje po pozivu / Invited lecture**

Moderator: *prof. dr Nikola Rajaković*

**DISTRIBUTED ENERGY RESOURCES: CHALLENGES AND OPPORTUNITIES**

*Prof. dr Nikos Hatziargyriou*

09:30 – 11:30 **Paralelne sesije / Parallel Sessions 3**

OKRUGLI STO / ROUND TABLE 2 - Sala / Hall - Zlatni Bor

**ENERGETSKI PROJEKTI: OD IDEJE DO GRAĐEVINSKE DOZVOLE, PREKO IZGRADNJE DO EKSPLOATACIJE**

**ENERGY PROJECTS: FROM IDEA TO BUILDING PERMIT, THROUGH CONSTRUCTION UP TO OPERATION**

Moderator: *prof. dr Nikola Rajaković*

Učesnici / Participants:

- |                                       |  |
|---------------------------------------|--|
| 1. ABB (Aleksandar Ćosić)             | 5. METER & CONTROL (Aleksandar Skulić)   |
| 2. SIEMENS ENERGY (Petar Tatomirović) | 6. SCHNEIDER ELECTRIC (Miloš Vuksanović) |
| 3. SIEMENS (Srdan Srdanović)          | 7. GMS CONSULT (Goran Vukojević)         |
| 4. ELNOS Group (Borislav Milivojčev)  | 8. BA TRADE (Miodrag Obradović)          |

Specijalna sesija / Special session - Sala / Hall - Crni Bor

**Tehnologije obnovljivih izvora i regulatorni podsticaji / Renewable sources technology and regulatory incentives**

Moderator: *dr Iva Batić*

Specijalna sesija / Special session - Sala / Hall 3

**Savremene tehnologije u elektroenergetici / Modern technologies in power industry**

Moderator: *dr Jelena Stojković Terzić*

11:30 – 12:00 *Kafe pauza / Coffee break*

12:00 – 13:30 **PANEL 3 - Sala / Hall - Zlatni Bor**

**ETS i CBAM – šta je za Srbiju i region bolje / ETS and CBAM – What is better for Serbia and the region**

Moderator: *Željko Marković*

Panelisti / Panelists:

*Sandra Dokić, Ministarstvo zaštite*

*životne sredine Republike Srbije*

*Boriša Davidović, EPS*

*Ivan Mrvaljević, EPCG*

*Anes Kazagić, EP BiH*

*Ljubo Mačić, (specijalni savetnik) Ekonomski institut*

*Jasmina Trhulj, Sekretarijat Energetske zajednice*

*Dimitrije Knjeginjić, Lafarge*

13.30 – 14.30 **Prezentacije sponzora Savetovanja / Conference sponsors presentations - Sala / Hall - Zlatni Bor**

Predstavajući / Chairman: *Sandra Alagić*

13:30 – 13:45 **SIEMENS Energy**

13:45 – 13:55 **Flaner**

13:55 – 14:10 **IvDam/WIKA**

14:10 – 14:20 **Enel PS**

14:20 – 14:30 **PROINTER Group**

13:45 – 15:00 Specijalna sesija / Special session - Sala / Hall - Crni Bor

**Izazovi održanja nivoa kvaliteta napona u distributivnoj i prenosnoj mreži**

**Power Quality Challenges in Distribution and Transmission Grid**

Moderator: *Nikola Laketić*

14.30 – 16.00 *Pauza za ručak / Lunch break*

16.00 – 17.30 **PANEL 4 - Sala / Hall - Zlatni Bor**

**Efekti izmena Zakona o energetici / Sve što niste znali o izmenama ZoE, a plašili ste se da pitate**  
**Effects of changes to the Energy Act / Everything you didn't know about changes in Energy Act**  
**and were afraid to ask**

Moderator: *Ružica Vranjković*

Panelisti / Panelists:

*Rade Mrdak, Ministarstvo energetike*

*Radovan Stanić, EPS*

*Nenad Šijaković, EMS*

*Dalibor Nikolić, EDS*

*Dejan Popović, AERS*

*Danijela Isailović, OIE*

17:30 – 17:45 *Kafe pauza / Coffee break*

17:45 – 19:45 **Paralelne sesije / Parallel Sessions 4**

**SUPER SPECIJALNA sesija (12 radova, 3h, do 20:45) / SUPER SPECIAL session (12 presentations, 3 hours, until 20:45) - Sala / Hall - Zlatni Bor**

**Hydroenergetika / Hydroenergy**

Moderator: *prof. dr Ivan Božić*



Specijalna sesija / Special session - Sala / Hall - Crni Bor

**Digitalizacija kontrolnih centara za napredno upravljanje aktivnim distributivnim mrežama / Digitization of control centers for advanced management of active distribution networks**

Moderator: *prof. dr Luka Strezoski*

Specijalna sesija / Special session - Sala / Hall 3

**Ekonomске teme u energetici / Economy topics within Energy**

Moderator: *Prof. dr Dejan Molnar*

20:30 – 00:30 **Svečana večera / Gala Dinner (Hotel Palisad)**

**Četvrtak, 17. april 2025 / Thursday, April 17, 2025**

09:00 – 09:30 **Predavanje po pozivu / Invited lecture**

Moderator: *dr Ilija Batas Bjelić*

**KRITIČNE SIROVINE I ENERGETSKA TRANZICIJA / CRITICAL RAW MATERIALS AND ENERGY TRANSITION**

*Prof. dr Aleksandar Jovović*

09:30 – 11:30 **Paralelne sesije / Parallel Sessions 5**

Specijalna sesija / Special Session - Sala / Hall - Zlatni Bor

**Energetski menadžment u sistemu finalne energije (industrija, saobraćaj, domaćinstva, javne/komercijalne delatnosti, poljoprivreda) / Energy management in the final energy system (industry, traffic, households, public/commercial activities, agriculture)**

Moderator: *prof. dr Dušan Gordić*

Specijalna sesija / Special Session - Sala / Hall – Crni Bor

**Aktuelne teme iz prenosnih mreža i tržišta električne energije / Trending topics within distribution networks and power**

Moderator: *dr Bojan Ivanović*

Specijalna sesija / Special Session - Sala / Hall 3

**Građanke i građani u energetskej tranziciji / Citizens in energy transition**

Moderator: *prof. dr Dejan Ivezić*

11:30 – 12:00 **Kafe pauza / Coffee break**

12:00 – 14:00 **Paralelne sesije / Parallel Sessions 5**

Specijalna sesija / Special Session - Sala / Hall - Zlatni Bor

**Aktuelne teme iz distributivnih mreža - distributivni sistem u uslovima energetske tranzicije / Current topics from distribution networks - distribution system in conditions of energy transition**

Moderator: *Dunja Grujić*

Specijalna sesija / Special Session - Sala / Hall – Crni Bor

**Energetska i emisiona efikasnost sistema / Energy and emission efficiency of the system**

Moderator: *dr Mladen Josijević*

Specijalna sesija / Special Session - Sala / Hall 3

**Energetska tranzicija, nove tehnologije, pogonski aspekti i održavanje / Energy transition, new technologies, operational aspects and maintenance**

Moderator: *dr Ilija Batas Bjelić*

14:00 – 14:30 **ZAVRŠNA SESIJA / CLOSING SESSION - Sala / Hall - Zlatni Bor**

**Utorak 15. april 2025 / Tuesday, April 15, 2025**

09:00 – 09:30 **Predavanje po pozivu / Invited lecture**  
Moderator: *prof. dr Dušan Gordić*

**SUPPORT OF A DECARBONIZED DISTRICT HEATING AND COOLING SECTOR IN EUROPE**

*Dominik Rutz*

09:30 – 11:30 **Paralelne sesije / Parallel Sessions 1**

OKRUGLI STO / ROUND TABLE 1 - Sala / Hall - Zlatni Bor

**SARADNJOM PRIVREDE, CIVILNOG SEKTORA I UNIVERZITETA DO KVALITETNIH STRUČNJAKA ZA OBLAST ENERGETIKE – iskustva i putokazi****COOPERATION OF THE ECONOMY, CIVIL SECTOR AND UNIVERSITY TO PROVIDE QUALITY EXPERTS FOR THE FIELD OF ENERGY - experiences and roadmaps**

Moderator: *prof. dr Milun Babić*

Učesnici: *prof. dr Nikola Rajaković, prof. dr Milan Petrović, Slobodan Babić, Mladen Simović, Milenko Nikolić, Sandra Alagić*

1.1. #383

**TEHNO-EKONOMSKA ANALIZA RADA ELEKTROENERGETSKOG SISTEMA SA INTEGRACIJOM ELEKTRIČNIH VOZILA  
TECHNO-ECONOMIC ANALYSIS OF THE POWER SYSTEM OPERATION WITH THE INTEGRATION OF ELECTRIC VEHICLES**

Jovana Nikodijević; Mileta Žarković

09:30 – 11:30 **Specijalna sesija / Special session - Sala / Hall - Crni Bor**  
**Energetska efikasnost u zgradarstvu / Energy efficiency within construction**  
Moderator: *Prof. dr Miloš Banjac*

2.1. #395

**PRORAČUN GODIŠNJE POTROŠNJE ENERGIJE TOPLOTNE PUMPE METODOM TEMPERATURNIH SEGMENTA  
CALCULATION OF ANNUAL ENERGY CONSUMPTION OF A HEAT PUMP BY BIN-METHOD**

Branislav Petrović; Marija Vasilev; Miloš Banjac

2.2. #399

**MATEMATIČKI MODELI SISTEMA ZA HLAĐENJE POKRETANIH ENERGIJOM SUNČEVOG ZRAČENJA  
MATHEMATICAL MODELS OF SOLAR DRIVEN COOLING SYSTEMS**

Marija Vasilev; Miloš Banjac

2.3. #429

**POVEĆANJE ENERGETSKE EFIKASNOSTI KROZ TOPLOTNU IZOLACIJU ZGRADE I PRELAZAK SA DALJINSKOG GREJANJA NA GREJANJE POMOĆU TOPLOTNE PUMPE: TERMOMEHANIČKA I EKONOMSKA ANALIZA  
ENHANCING ENERGY EFFICIENCY THROUGH THERMAL INSULATION OF THE BUILDING AND TRANSFER FROM DISTRICT HEATING TO HEATING BY HEAT PUMP: A THERMOMECHANICAL AND ECONOMIC ANALYSIS**

Nedžad Rudonja; Miloš Banjac; Milan Gojak; Ružica Todorović

2.4. #428

**ANALIZA KORIŠĆENJA ENERGIJE U RAZLIČITIM SEKTORIMA U REPUBLICI SRBIJI  
ENERGY USAGE ANALYSIS IN THE VARIOUS SECTORS IN THE REPUBLIC OF SERBIA**

Ružica Todorović; Milan Gojak; Nedžad Rudonja

2.5. #405

**ODREĐIVNJE KOLIČINE TOPLOTE AKUMULISANE U ZIDU PRI NESTACIONARNIM PROMENAMA TEMPERATURE SPOLJAŠNJEG VAZDUHA  
DETERMINATION OF THE AMOUNT OF HEAT ACCUMULATED IN THE WALL IN CONDITIONS OF CHANGEABLE OUTSIDE TEMPERATURE**

Branislav Petrović; Sandra Kovačević; Miloš Banjac

2.6. #396

**POREĐENJE I ANALIZA VREDNOSTI KOEFICIJENTA TRANSMISIONIH GUBITAKA TOPLOTE PREMA TLU ODREĐENOG PREMA EN ISO 13790:2010 I EN ISO 13370:2017**  
**COMPARATION AND ANALYSIS OF THE TOTAL HEAT TRANSFER COEFFICIENT TO THE GROUND DETERMINED ACCORDING TO EN ISO 13790:2010 AND EN ISO 13370:2017**

Sandra Kovačević; Branislav Petrović; Miloš Banjac

2.7. #397

**SMANJENJE EMISIJE ZAGAĐUJUĆIH MATERIJA I POTROŠNJE ENERGIJE U ZGRADARSTVU KORIŠĆENJEM PROCENE ŽIVOTNOG CIKLUSA**  
**REDUCTION OF POLLUTANT EMISSIONS AND ENERGY CONSUMPTION IN BUILDINGS USING LIFE CYCLE ASSESSMENT**

Sandra Kovačević; Mirko Komatina; Miloš Banjac

2.8. #374

**EVALUACIJA MERA ZA UŠTEDU ENERGIJE NA POSTOJEĆIM STAMBENIM ZGRADAMA NA NOVOM BEOGRADU UPOTREBOM MODELIRANJA ENERGETSKIH PERFORMANSI ZGRADA**  
**EVALUATION OF ENERGY CONSERVATION MEASURES FOR EXISTING RESIDENTIAL BUILDINGS IN NOVI BEOGRAD USING BUILDING ENERGY MODELING**

Dimitrije Manić; Mirko Komatina; Dragi Antonijević; Olivera Ećim - Djurić; Dejan Ivezić

09:30 – 11:30 [Specijalna sesija / Special session - Sala / Hall 3](#)

**Energetska politika i izazovi za pravo energetike / Energy policy and challenges in energy law**

Moderator: *Dr Branislava Lepotić Kovačević*

3.1. #416

**PROŠIRENJE NADLEŽNOSTI ACER U OBLASTI ELEKTRIČNE ENERGIJE NA PROSTOR ZAPADNOG BALKANA**  
**EXTENSION OF ACER COMPETENCES IN THE ELECTRICITY SECTOR TO THE WESTERN BALKAN AREA**

Branislava Lepotić Kovačević

3.2. #449

**TEORIJSKI OKVIR ZA ANALIZU ULOGE I ZNAČAJA ELEKTROPRIVREDNOG PREDUZEĆA**  
**THEORETICAL FRAME FOR ROLE AND IMPORTANCE OF ELECTRICITY COMPANY ANALYSIS**

Žarko Nestorović

3.3. #381

**UBRZANJE ENERGETSKE REFORME PUTEM UVOĐENJA INFRASTRUKTURE ZA ALTERNATIVNA GORIVA**  
**ACCELERATING ENERGY TRANSITION THROUGH THE INTRODUCTION OF ALTERNATIVE FUELS INFRASTRUCTURE**

Miloš Kuzman

3.4. #444

**PODSTICAJI ZA PROIZVODNJU ELEKTRIČNE ENERGIJE IZ OBNOVLJIVIH IZVORA I VISOKOEFIKASNE KOGENERACIJE I MERE ZA UNAPREĐENJE ENERGETSKE EFIKASNOSTI U REPUBLICI SRBIJI**  
**INCENTIVES FOR ELECTRICITY PRODUCTION FROM RENEWABLE ENERGY SOURCES AND HIGH-EFFICIENCY COGENERATION, AND MEASURES TO IMPROVE ENERGY EFFICIENCY IN THE REPUBLIC OF SERBIA**

Tamara Zejak

3.5. #417

**ENERGIJA IZ OTPADA: PRAVNI ASPEKT PROIZVODNJE VODONIKA IZ KOMUNALNOG OTPADA U EVROPSKOJ UNIJI**  
**ENERGY FROM WASTE: LEGAL ASPECTS OF HYDROGEN PRODUCTION FROM MUNICIPAL WASTE IN THE EUROPEAN UNION**

Bojana Petrović Raičević

3.6. #401

**ENERGETSKA DOZVOLA IZ UGLA IZMENA I DOPUNA ZAKONA O ENERGETICI**  
**ENERGY PERMIT FROM THE POINT OF VIEW OF AMENDMENTS TO THE ENERGY LAW**

Iva Đinđić Ćosić

3.7. #442

**„ENERGETSKE ZAJEDNICE GRAĐANA“ KAO NOVINA ZAKONA O ENERGETICI OD DECEMBRA 2024. GODINE  
THE “CITIZEN ENERGY COMMUNITIES” IN THE SERBIAN ENERGY LAW AMENDMENTS**

Vesna Živković

17:45 – 19:45 **Paralelne sesije / Parallel Sessions 2**

Specijalna sesija / Special Session - Sala / Hall - Zlatni Bor

**Softverski alati u energetici / Software tools in Energy**

Moderator: *Dr Tomislav Rajić*

4.1. #445

**OPTIMALNA ESTIMACIJA ELEKTRIČNIH PARAMETARA NETRANSPONOVANIH VODOVA KORIŠĆENJEM  
SINHROFAZORSKIH MERENJA**

**OPTIMAL UNTRANSDPOSED TRANSMISSION LINE PARAMETER ESTIMATION USING SYNCHROPHASORS**

Miljana Todorović; Zoran Stojanović

4.2. #394

**POREĐENJE DISTRIBUIRANIH IZVORA KOJI INJEKTIRAJU AKTIVNU I REAKTIVNU SNAGU SA ONIMA KOD KOJIH SE  
INJEKTIRA ISKLJUČIVO AKTIVNA SNAGA A PRIDODATE SU IM I KONDEZATORSKE BATERIJE UZ PRISUTNU  
REKONFIGURACIJU MREŽE**

**COMPARISON OF DISTRIBUTION RESOURCES THAT INJECT BOTH ACTIVE AND REACTIVE POWER WITH ACTIVE  
POWER UNITS ACCOMPANIED WITH CAPACITORS IN PRESENCE OF NETWORK RECONFIGURATION**

Branko Stojanović; Tomislav Rajić; Darko Šošić

4.3. #470

**PRIMENA PSCAD-A U EMT STUDIJAMA U ELEKTROENERGETSKOM SISTEMU: MODELOVANJE I ENERGIZACIJE  
NADZEMNIH VODOVA**

**APPLICATION OF PSCAD IN EMT POWER SYSTEM STUDIES: MODELING AND ENERGIZATION OF OVERHEAD LINES**

Aleksandar Milošević; Mila Drajić

4.4. #462

**ANALIZA STABILNOSTI ELEKTROENERGETSKOG SISTEMA NAKON INTEGRACIJE SOLARNE ELEKTRANE  
KORIŠĆENJEM SOFTVERA POWER FACTORY**

**ANALYSIS OF POWER SYSTEM STABILITY AFTER SOLAR POWER PLANT INTEGRATION USING POWER FACTORY  
SOFTWARE**

Aleksa Vukotić; Sonja Angelovski

4.5. #461

**IMPLEMENTACIJA CENTRALIZOVANOG SISTEMA ZA OBRAČUN I NAPLATU ELEKTRIČNE ENERGIJE**

**IMPLEMENTATION OF A CENTRALIZED SYSTEM FOR CALCULATION AND PAYMENT OF ELECTRICITY**

Dejan Polugić

4.6. #460

**PROVERA USAGLAŠENOSTI RADA SOLARNIH ELEKTRANA KOJE SU PRIKLJUČENE NA DISTRIBUTIVNI SISTEM SA  
TEHNIČKIM ZAHTEVIMA IZ UREDBE O MREŽNIM PRAVILIMA KOJA SE ODOSE NA PRIKLJUČENJE PROIZVODNIH  
JEDINICA**

**COMPLIANCE TESTING OF SOLAR POWER PLANTS CONNECTED TO THE DISTRIBUTION SYSTEM WITH THE  
TECHNICAL REQUIREMENTS OUTLINED IN THE NETWORK CODE ON REQUIREMENTS FOR GRID CONNECTION OF  
GENERATORS**

Sima Tatalović; Miroslav Žerajić

4.7. #418

**ANALIZA PERFORMANSI SOLARNE ELEKTRANE: SIMULACIJA I EKSPERIMENTALNA VALIDACIJA**

**PERFORMANCE ANALYSIS OF A SOLAR POWER PLANT: SIMULATION AND EXPERIMENTAL VALIDATION**

Snežana Dragičević; Milan Marjanović; Nebojša Mitrović; Marko Šučurović



4.8. #454

**KOMPARATIVNA ANALIZA RADA MODULA NAPONSKE STABILNOSTI NA MALE POREMEĆAJE CASE A I  
POWERFACTORY**

**COMPARATIVE ANALYSIS OF THE CASE AND POWERFACTORY SMALL SIGNAL VOLTAGE STABILITY MODULES**

Bojan Ivanović; Tomislav Rajić

17:45 – 19:45 Specijalna sesija / Special Session - Sala / Hall – Crni Bor

**Automatizacija u industriji i energetici (PRAKTIČNI ASPEKTI REALIZACIJE I PRIMENE  
ENERGETSKIH SISTEMA NAPAJANJA**

**Automation in industry and energy (PRACTICAL ASPECTS OF IMPLEMENTATION AND  
APPLICATION OF POWER SUPPLY SYSTEMS)**

Moderator: *prof. dr Željko Despotović*

5.1. #386

**PROJEKTOVANJE I ODRŽAVANJE ELEKTRIČNIH INSTALACIJA SOLARNIH ELEKTRANA ZA NAPAJANJE BAZNIH  
STANICA MOBILNE TELEFONIJE**

**DESIGN AND MAINTENANCE OF ELECTRICAL INSTALLATIONS FOR SOLAR POWER PLANTS SUPPLYING MOBILE  
TELEPHONY BASE STATIONS**

Samed Mušović; Saša Štatkić; Željko V. Despotović

5.2. #389

**PRIMER KOORDINACIJE IZOLACIJE MREŽNOG FOTONAPONSKOG INVERTORA SA TRI NAPONSKA NIVOVA SA  
FIKSIRANOM NEUTRALNOM TAČKOM**

**EXAMPLE OF INSULATION COORDINATION FOR A THREE LEVEL NEUTRAL POINT CLAMPED (3L NPC) GRID  
CONNECTED PV INVERTER**

Željko V. Despotović; Miodrag Vuković; Marko Tajdić

5.3. #393

**OFF-GRID SOLARNO NAPAJANJE REZONANTNOG VIBRACIONOG DOZATORA SA ELEKTROMAGNETNOM  
POBUDOM**

**OFF-GRID PHOTOVOLTAIC POWER SUPPLY OF RESONANT VIBRATORY FEEDER HAVING ELECTROMAGNETIC  
EXCITATION**

Željko V. Despotović; Uroš Ilić

5.4. #426

**MODELIRANJE I ANALIZA UTICAJA MAGNETNOG ZASIĆENJA NA ELEKTROMAGNETNU SILU U VIBRACIONIM  
AKTUATORIMA**

**MODELING AND ANALYSIS OF MAGNETIC SATURATION EFFECTS ON THE ELECTROMAGNETIC FORCE IN  
VIBRATORY ACTUATORS**

Uroš Ilić; Željko V. Despotović

5.5. #422

**PREDIKCIJA PROIZVODNJE KROVNE FOTONAPONSKE ELEKTRANE SOFTVERSKIM ALATOM SYSTEM ADVISOR  
MODEL (SAM) SA VALIDACIJOM REZULTATA**

**PREDICTION OF ROOFTOP PHOTOVOLTAIC POWER PLANT PRODUCTION USING THE SYSTEM ADVISOR MODEL  
(SAM) SOFTWARE WITH RESULTS VALIDATION**

Milan Ivezić; Ivana Vlajić-Naumovska; Aleksandra Grujić; Neša Rašić; Miloš Borak

5.6. #436

**LABORATORIJSKI SIMULATOR OPTEREĆENJA ZA ANALIZU ENERGETSKI EFIKASNOG RADA FREKVENTNO  
REGULISANIH POGONA**

**LABORATORY LOAD SIMULATOR FOR ANALYSIS OF ENERGY EFFICIENT OPERATION OF FREQUENCY  
CONTROLLED DRIVES**

Neša Rašić; Aleksandra Grujić; Ivana Vlajić-Naumovska; Milan Bebić; Milan Ivezić

5.7. #424

**UTICAJ ZAPRLJANOSTI FOTONAPONSKIH PANELA NA PROIZVODNJU ELEKTRIČNE ENERGIJE IZ KROVNE FOTONAPONSKE ELEKTRANE SNAGE 700 KW**  
**THE INFLUENCE OF SOILING OF PHOTOVOLTAIC PANELS ON THE PRODUCTION OF ELECTRICITY FROM A ROOFTOP PHOTOVOLTAIC POWER PLANT WITH A CAPACITY OF 700 KW**

Ivana Vlajić-Naumovska; Aleksandra Grujić; Neša Rašić; Milan Ivezić; Petar Đorđević

5.8. #400

**EKSPLOATACIONA ISPITIVANJA BRZIH PUNJAČKIH STANICA ZA E-AUTOMOBILE SNAGA 120KW I 240KW**  
**EXPLOITATION TESTS OF FAST CHARGING 120KW AND 240KW POWER STATIONS FOR E-CARS**

Milan Đerić; Željko V. Despotović; Miloš Kostić; Uroš Ilić

17:45 – 19:45 *Specijalna sesija / Special Session - Sala / Hall 3*

**Otvorene teme i inovacije u sektoru grejanja i hlađenja / Open subjects and innovations in heating and cooling sector**

Moderator: *Slobodan Jerotić*

6.1. #356

**PREDLOG RACIONALIZACIJE SISTEMA DALJINSKOG GREJANJA U GRADU ČAČAK**  
**PROPOSAL FOR RATIONALIZING THE DISTRICT HEATING SYSTEM IN THE CITY OF CAČAK**

Srećko Ćurčić; Bojan Bogdanović; Slobodan Jerotić

6.2. #419

**MODEL KUPAC-PROIZVOĐAČ TOPLOTE**  
**HEAT PROSUMER MODEL**

Slobodan Jerotić

6.3. #347

**UTVRĐIVANJE PROBLEMA U KONTROLISANOM OKRUŽENJU U INTEGRACIONIM SISTEMIMA TOPLOTNIH PUMPI**  
**DETERMINATION OF ISSUES IN CONTROLLED ENVIRONMENT IN INTEGRATION SYSTEMS OF HEAT PUMPS**

Žana Stevanović; Stanislaw Anweiler; Sławomir Pochwała

6.4. #452

**SOFTVERSKI PAKET ZA KRATKOROČNU PROGNOZU POTROŠNJE PRIRODNOG GASA**  
**SOFTWARE PACKAGE FOR SHORT-TERM NATURAL GAS DEMAND FORECASTING**

Pavle Lučić; Sovjetka Krstonijević; Goran Jakupović; Milan Josifović; Đorđe Jovanović; Gordan Konečni; Ljiljana Topalović; Milovan Milojević

6.5. #362

**POLIVALENTNI SISTEM ZA ODRŽIVU CENTRALNU PRIPREMU SANITARNE TOPLE VODE U ZGRADAMA KOLEKTIVNOG STANOVANJA – STUDIJA SLUČAJA**  
**POLYVALENT ENERGY SYSTEM FOR SUSTAINABLE CENTRAL PREPARATION OF DOMESTIC HOT WATER IN MULTIFAMILY RESIDENTIAL BUILDINGS - CASE STUDY**

Goran Vučković; Mirko Stojiljković; Marko Ignjatović

6.6. #376

**NUMERIČKE SIMULACIJE PRENOSA TOPLOTE U SISTEMU PODZEMNOG SKLADIŠTENJA TERMALNE ENERGIJE (UTES): CFD PRISTUP**  
**NUMERICAL SIMULATIONS OF HEAT TRANSFER IN UNDERGROUND THERMAL ENERGY STORAGE (UTES) SYSTEM: CFD APPROACH**

Mahir Hafizović; Muhamed Hadžiabdić; Bojan Ničeno

6.7. #433

**MATEMATIČKI MODELI PRENOSA TOPLOTE I VLAGE KROZ SISTEM ZELENOG KROVA**  
**MATHEMATICAL MODELS OF HEAT AND MOISTURE TRANSFER THROUGH A GREEN ROOF SYSTEM**

Srđan Otović; Miloš Banjac; Milena Otović

6.8. #351

**PITANJE TOPLOTNIH PUMPI I KLIMATSKIH PROMENA U USLOVIMA KONTINENTALNE KLIME**  
**ISSUE OF HEAT PUMPS AND CLIMATE CHANGE IN CONTINTAL CLIMATE**

Žana Stevanović; Stanislaw Anweiler

09:00 – 09:30 **Predavanje po pozivu / Invited lecture**

Moderator: *prof. dr Nikola Rajaković*

**DISTRIBUTED ENERGY RESOURCES: CHALLENGES AND OPPORTUNITIES**

*Prof. dr Nikos Hatziargyriou*

09:30 – 11:30 **Paralelne sesije / Parallel Sessions 3**

OKRUGLI STO / ROUND TABLE 2 - Sala / Hall - Zlatni Bor

**ENERGETSKI PROJEKTI: OD IDEJE DO GRAĐEVINSKE DOZVOLE, PREKO IZGRADNJE DO EKSPLOATACIJE  
ENERGY PROJECTS: FROM IDEA TO BUILDING PERMIT, THROUGH CONSTRUCTION TO OPERATION**

Moderator: *prof. dr Nikola Rajaković*

Učesnici / Participants:

- |                                       |  |
|---------------------------------------|--|
| 1. ABB (Aleksandar Ćosić)             | 5. METER & CONTROL (Aleksandar Skulić)   |
| 2. SIEMENS ENERGY (Petar Tatomirović) | 6. SCHNEIDER ELECTRIC (Miloš Vuksanović) |
| 3. SIEMENS (Srđan Srđanović)          | 7. GMS CONSULT (Goran Vukojević)         |
| 4. ELNOS Group (Borislav Milivojčev)  | 8. BA TRADE (Miodrag Obradović)          |

09:30 – 11:30 **Specijalna sesija / Special session - Sala / Hall - Crni Bor**

**Tehnologije obnovljivih izvora i regulatorni podsticaji / Renewable sources technology and regulatory incentives**

Moderator: *dr Iva Batić*

7.1. #380

**NOVA REGULATIVA U OBLASTI STRATEŠKOG RAZVOJA ENERGETSKOG SEKTORA U REPUBLICI SRBIJI  
NEW REGULATIONS IN THE AREA OF STRATEGIC DEVELOPMENT OF THE ENERGY SECTOR IN THE REPUBLIC OF SERBIA**

Milan Petrović; Biljana Trivić; Iva Batić

7.2. #361

**BIOGAS U SRBIJI I PITANJE OPSTANKA  
BIOGAS IN SERBIA AND THE QUESTION OF SURVIVAL**

Marko Nedić

7.3. #434

**PREDIKCIJA GREŠKE REGULATORNE OBLASTI (ACE) PRIMENOM NEURALNIH MREŽA U ELEKTROENERGETSKOM SISTEMU SRBIJE**

**PREDICTION OF AREA CONTROL ERROR (ACE) USING NEURAL NETWORKS IN THE SERBIAN POWER SYSTEM**

Vladimir Antonijević; Mileta Žarković; Goran Kvaščev

7.4. #354

**KRITIČKI OSVRT NA VOĐENJE ENERGETSKE POLITIKE REPUBLIKE SRBIJE  
CRITICAL REVIEW OF ENERGY POLICY MANAGEMENT IN THE REPUBLIC OF SERBIA**

Miroslav Parović

7.5. #465

**IZAZOVI I ISKUSTVA PRI IZBORU BITNIH ELEMENATA OPREME ZA IZGRADNJU SOLARNIH ELEKTRANA NA TLU  
CHALLENGES AND EXPERIENCES IN SELECTING ESSENTIAL ELEMENTS OF EQUIPMENT FOR THE CONSTRUCTION OF GROUND-BASED SOLAR POWER PLANTS**

Biljana Lovčević Kureljušić; Rastislav Kragić; Aleksandr Kozhevnikov

7.6. #438

**KORIŠĆENJE FASADA ZA PROIZVODNJU ELEKTRIČNE ENERGIJE, PREDNOSTI I NEDOSTACI  
USING FACADES FOR ELECTRICITY GENERATION, ADVANTAGES AND DISADVANTAGES**

Miodrag Vuković; Mihajlo Jakovljević

09:30 – 11:30 [Specijalna sesija / Special session - Sala / Hall 3](#)  
**Savremene tehnologije u elektroenergetici / Modern technologies in power industry**  
Moderator: *dr Jelena Stojković Terzić*

8.1. #439

**VIRTUAL POWER PLANTS: A KEY FOR A NET-ZERO TRANSITION**

Ivana Kockar; Gary Howorth

8.2. #370

**ANALIZA ISPLATIVOSTI PRIMENE SOLARNIH SISTEMA KOD KUPACA-PROIZVOĐAČA KOJI SU DOMAĆINSTVA  
PROFITABILITY ANALYSIS OF SOLAR SYSTEM IMPLEMENTATION FOR PROSUMER HOUSEHOLDS**

Jelisaveta Krstivojević; Jelena Stojković Terzić; Dunja Grujić

8.3. #358

**ODREĐIVANJE OPTIMALNE LOKACIJE I SNAGE SOLARNE ELEKTRANE U CILJU POBOLJŠANJA NAPONSKE  
STABILNOSTI**

**OPTIMAL PLACEMENT AND SIZING OF SOLAR POWER PLANT FOR VOLTAGE STABILITY IMPROVEMENT**

Doroteja Zarev; Jelena Stojković Terzić; Jovan Trifunović

8.4. #377

**IMPLEMENTACIJA I BENEFITI IMBALANCE NETTING I IMBALANCE NETTING OPTIMIZATION MODULE U  
ELEKTROENERGETSKOM SISTEMU SRBIJE**

**IMPLEMENTATION AND BENEFITS OF IMBALANCE NETTING AND THE IMBALANCE NETTING OPTIMIZATION  
MODULE IN THE POWER SYSTEM OF SERBIA**

Vladimir Bečejac; Aleksandar Georgiev; Milan Trifunović; Damjan Ilić

8.5. #453

**ISPITIVANJE DINAMIČKOG MODELA SOLARNE ELEKTRANE KORIŠĆENJEM ETAP SOFTVERA ZA ANALIZU EESA  
INVESTIGATING DYNAMIC MODEL OF THE SOLAR POWER PLANT USING THE ETAP SOFTWARE FOR POWER  
SYSTEMS ANALYSIS**

Ana Vuković; Sonja Angelovski

8.6. #459

**AUTOMATSKO SMANJENJE SNAGE OIE USLED PREOPTEREĆENJA U PRENOSNOJ MREŽI**

**AUTOMATIC CURTAILMENT OF RES PRODUCTION DUE TO OVERLOAD IN THE TRANSMISSION SYSTEM**

Miroslav Žerajić; Vojislav Simović; Sonja Simović

8.7. #373

**ULOGA AGREGATORA U ELEKTROENERGETSKOM SISTEMU**

**ROLE OF AGGREGATORS IN THE ELECTRIC POWER SYSTEM**

Jovana Lazin; Kovica Bibić; Miloš Stanković; Ivan Vasiljević

8.8. #437

**PRIMENA BATERIJSKIH SISTEMA KOD SOLARNIH ELEKTRANA**

**USE OF ENERGY STORAGE SYSTEMS WITH SOLAR PV PLANTS**

Miodrag Vuković; Željko V. Despotović

13:45 – 15:00 [Specijalna sesija / Special session - Sala / Hall - Crni Bor](#)

**Izazovi održanja nivoa kvaliteta napona u distributivnoj i prenosnoj mreži**

**Power Quality Challenges in Distribution and Transmission Grid**

Moderator: *Nikola Laketić*

9.1.

**PRAĆENJE KVALITETA ELEKTRIČNE ENERGIJE NA MESTIMA PRIKLJUČENJA KORISNIKA  
ELEKTRODISTRIBUTIVNOG SISTEMA**

**MONITORING THE QUALITY OF ELECTRIC ENERGY AT THE POINTS OF CONNECTION (POC) OF USERS OF THE  
ELECTRIC DISTRIBUTION SYSTEM**

Dušan Vukotić



9.2.

**METODE ZA ODREĐIVANJE LIMITA ZA INJEKCIJU POREMEĆAJA U CILJU ODRŽANJA PLANSKIH NIVOA IZOBLIČENJA**

Nikola Laketić

9.3.

**UTICAJ PRIKLJUČENJA SOLARNE ELEKTRANE 10 MW NA KVALITET NAPONA U PRENOSNOJ MREŽI U TS LAPOVO 110/10 KV**

**IMPACT OF SOLAR POWER PLANT 10 MW CONNECTION TO TRANSMISSION GRID POWER QUALITY IN TS LAPOVO 110/10 KV**

Vladimir Krnajski

9.4.

**ANALIZA UTICAJA PARALELNOG RADA FOTONAPONSKE ELEKTRANE PFNE=10 MW I INDUSTRIJSKOG OBJEKTA PD=10 MW NA KVALITET NAPONA U DISTRIBUTIVNOJ MREŽI 20 KV**

**ANALYSIS OF IMPACT OF PARALLEL OPERATION OF SOLAR POWER PLANT PSPP=10 MW AND INDUSTRIAL FACILITY PD=10 MW ON POWER QUALITY IN 20 KV DISTRIBUTION GRID**

Irena Cvetić

9.5.

**PROPAGACIJA NAPONSKOG FLIKERA KROZ MREŽU SREDNJEG I VISOKOG NAPONA I UTICAJ NA KVALITET NAPONA U ČVOROVIMA PO DUBINI MREŽE**

**VOLTAGE FLICKER PROPAGATION THROUGH MV AND HV GRID AND IMPACT ON POWER QUALITY IN REMOTE NODES**

Aleksandar Tatalović, Nikola Laketić

**17:45 – 20:45 Paralelne sesije / Parallel Sessions 4**

SUPER SPECIJALNA sesija / SUPER SPECIAL session - Sala / Hall - Zlatni Bor

**Hydroenergetika / Hydroenergy**

Moderator: *prof. dr Ivan Božić*

10.1. #472

**PERSPEKTIVE KORIŠĆENJA HIDROPOTENCIJALA U REGIONU: IZGRADNJA NOVIH HIDROELEKTRANA I RAZVOJ SISTEMA ZA PODRŠKU UPRAVLJANJU**

**PERSPECTIVES ON HYDROPOWER POTENTIAL DEVELOPMENT IN THE REGION: NEW HYDROPOWER PLANTS AND MANAGEMENT SUPPORT SYSTEMS**

Dejan Divac; Nikola Milivojević; Dejan Vučković; Dragan Vukosavić; Dragan Stanković

10.2. #486

**AKTUELNI PROJEKTI BUDUĆIH REVERZIBILNIH HIDROELEKTRANA U REPUBLICI SRBIJI - RHE „BISTRICA” I RHE „ĐERDAP”**

**CURRENT PUMPED-STORAGE PLANT PROJECTS IN REPUBLIC OF SERBIA - “BISTRICA” PSHPP AND “IRON GATE” PSHPP**

Zdravko Stojanović; Marija Milić; Filip Đorđević; Dalibor Drašković; Nenad Lazić; Dragan Stanković

10.3. #495

**PRIMER METODOLOGIJE ZA IZBOR PERSPEKTIVNIH LOKACIJA ZA IZGRADNJU REVERZIBILNIH HIDROELEKTRANA**

**A METHODOLOGY FOR SELECTING SUITABLE SITES FOR PUMPED-STORAGE HYDROPOWER PLANTS**

Tina Dašić; Ljubodrag Savić; Miloš Stanić; Andrijana Todorović; Marija Milić; Milan Tumara

10.4. #494

**PREGLED PERSPEKTIVNIH LOKACIJA ZA IZGRADNJU REVERZIBILNIH HIDROELEKTRANA U SRBIJI**

**OVERVIEW OF PROSPECTIVE LOCATIONS FOR THE CONSTRUCTION OF REVERSIBLE HYDROPOWER PLANTS IN SERBIA**

Tina Dašić; Miloš Ivetić; Milica Kovačević; Marija Milić; Jovan Ilić; Vladimir R. Petrović

10.5. #475

**HIDROELEKTRANE NA IBRU: SINERGIJA PRIVREDE I EKOLOGIJE**

**HYDROPOWER DEVELOPMENT ON THE IBAR RIVER: SYNERGY OF ECONOMY AND ECOLOGY**

Dejan Divac; Dejan Vučković; Mladen Robajčević; Vladimir Tkalac; Nikola Milivojević

10.6. #484

**PREGLED STANJA PROJEKTNO-TEHNIČKE DOKUMENTACIJE ZA HIDROELEKTRANE PLANIRANE NA GORNJEM I DONJEM DELU TOKA DRINE**  
**AN OVERVIEW OF THE STATUS OF DESIGN-TECHNICAL DOCUMENTATION FOR HYDROPOWER PLANTS PLANNED AT THE UPPER AND LOWER PART OF THE DRINA RIVER WATERCOURSE**

Zdravko Stojanović; Radmilo Glišić; Žarko Mrkić; Vladimir Đorđević; Vladimir Tkalac; Mladen Robajčević

10.7. #493

**ZAVRŠETAK REKONSTRUKCIJE AGREGATA R1 RHE BAJINA BAŠTA I POČETAK REKONSTRUKCIJE R2**  
**FINALIZATION OF REHABILITATION OF THE R1 UNIT AND INITIALIZATION OF REHABILITATION OF THE R2 UNIT OF THE BAJINA BAŠTA PSHPP**

Luka Trišić; Jovan Bolić; Predrag Blagojević; Slobodan Spasojević; Todora Lazić; Ljiljana Milicanović

10.8. #474

**PERSPEKTIVE IZGRADNJE HIDROELEKTRANA U CRNOJ GORI: HE KOMARNICA I HE KRUŠEVO**  
**PERSPECTIVES ON HYDROPOWER PLANT DEVELOPMENT IN MONTENEGRO: HPP KOMARNICA AND HPP**

Dejan Vučković; Milan Tričković; Dragan Vukosavić; Miodrag Milovanović; Nikola Milivojević

10.9. #476

**THE IMPORTANCE OF SMALL HYDRO POWER PLANT DEVELOPMENT IN ADVANCING SUSTAINABLE ENERGY SOLUTIONS: METHODOLOGY AND CASE STUDY OF SHPP BISTRICA MAJSTOROVINA**

Uroš Karadžić, Vidosava Vilotijević, Radoje Vujadinović, Vuko Kovijanić, Ivan Božić

10.10. #467

**INTEGRISANI SISTEM ZA PLANIRANJE I UPRAVLJANJE VODAMA U CILJU OPTIMIZACIJE RADA HIDROELEKTRANE**  
**AN INTEGRATED WATER MANAGEMENT AND PLANNING SYSTEM FOR OPTIMIZATION OF HYDRO POWER PLANT OPERATIONS**

Gordan Konečni; Milan Josifović; Radomir Stamatović; Nebojša Panjevac; Milan Bjedov; Nemanja Branislavljević

10.11. #473

**HOLISTIČKI PRISTUP UPRAVLJANJU HEPS ĐERDAP**  
**A HOLISTIC APPROACH TO MANAGING THE ĐERDAP HYDROPOWER AND NAVIGATION SYSTEM**

Nikola Milivojević; Dejan Divac; Boban Stojanović; Prvoslav Marjanović; Dragan Stanković

10.12. #364

**ODREĐIVANJE PROTOKA VODE KROZ HIDROAGREGATA NA HE ĐERDAP 2**  
**DETERMINATION OF WATER FLOW THROUGH A HYDROGENERATOR ON THE HYDRO POWER PLANT ĐERDAP 2**

Miša Kožić; Žarko Nestorović; Zvonko Živković

17:45 – 19:45 *Specijalna sesija / Special session - Sala / Hall - Crni Bor*

**Digitalizacija kontrolnih centara za napredno upravljanje aktivnim distributivnim mrežama**

**Digitization of control centers for advanced management of active distribution networks**

Moderator: *prof. dr Luka Strezoski*

11.1. #353

**INTEGRACIJA ADMS I POSTOJEĆIH SCADA SISTEMA U CILJU EFIKASNIJEG UPRAVLJANJA DISTRIBUTIVNOM MREŽOM**

**INTEGRATION OF ADMS AND EXISTING SCADA SYSTEMS FOR MORE EFFICIENT MANAGEMENT OF DISTRIBUTION NETWORKS**

Željko Živković; Gordan Konečni

11.2. #387

**SOFTVERSKA REŠENJA ZA DIGITALIZACIJU KONTROLNOG CENTRA I VOĐENJE DISTRIBUTIVNIH MREŽA**  
**SOFTWARE SOLUTIONS FOR DIGITIZING CONTROL CENTERS AND DISTRIBUTION NETWORKS MANAGEMENT**

Luka Strezoski

11.3. #392

**PRIMER UPRAVLJANJA MODELOM MIKROMREŽE KROZ SOFTVERSKE ALATE ZA NADZOR I VOĐENJE ELEKTROENERGETSKIH SISTEMA**

**EXAMPLE OF MICROGRID CONTROL USING SOFTWARE TOOLS FOR POWER SYSTEM MANAGEMENT**

Luka Strezoski; Darko Lazarević; Milan Zec

11.4. #350

**DIGITALNA KOMPONENTA KONCEPTA ENERGETSKE BEZBEDNOSTI: GLOBALNI PREGLED SAJBER INCIDENTA ZA PERIOD OD 2022. GODINE DO 2024. GODINE**  
**THE DIGITAL COMPONENT OF THE ENERGY SECURITY CONCEPT: A GLOBAL OVERVIEW OF CYBER INCIDENTS IN ENERGY SECTOR FOR THE PERIOD 2022 TO 2024**

Filip Marković

11.5. #478

**MIKROMREŽE – TRENUTNI RAZVOJI I IZAZOVI**  
**MICROGRIDS – CURRENT DEVELOPMENTS AND CHALLENGES**

Aleksej Žilović, Luka Strezoski, Chad Abbey

11.6. #468

**IMPORTANCE OF A ROBUST AND RELIABLE DCS AT PSP IN LIGHT OF RENEWABLE SOURCES AND ENERGY STORAGE**

Milan Bjedov; Gordan Konečni; Nebojša Panjevac; Bojan Papić

11.7. #471

**FUNKCIONALNOSTI I PREDNOSTI NOVITA SISTEMA U TRŽIŠTU ELEKTRIČNE ENERGIJE**  
**FUNCTIONALITIES AND ADVANTAGES OF THE NOVITA SYSTEM IN ELECTRICITY MARKET**

Ksenija Stefanović; Ana Nešović; Aleksandar Savić; Stefan Filipović; Aleksandra Vojnović

11.8 #496

**UTICAJ ELEKTRIČNIH VOZILA NA EMISIJU CO2 U ENERGETSKOM SEKTORU**  
**THE IMPACT OF ELECTRIC VEHICLES ON CO2 EMISSIONS IN THE ENERGY SECTOR**

Petar Ostojčić

17:45 – 19:45 Specijalna sesija / Special session - Sala / Hall 3

**Ekonomске teme u energetici / Economy topics within Energy**

Moderator: Prof. dr Dejan Molnar

12.1. #457

**IZAZOVI ZA ENERGETSKI SEKTOR I UTICAJ ENERGETSKE INFLACIJE NA INFLACIJU U ZEMLJAMA JUGOISTOČNE EVROPE**  
**CHALLENGES FOR THE ENERGY SECTOR AND THE IMPACT OF ENERGY INFLATION ON INFLATION IN SOUTHEAST EUROPEAN COUNTRIES**

Aleksandra Prašćević; Milutin Ješić

12.2. #403

**IZAZOVI ODRŽIVOG RAZVOJA U ENERGETSKOM SEKTORU**  
**CHALLENGES OF SUSTAINABLE DEVELOPMENT IN THE ENERGY SECTOR**

Gordana Kokeza; Sonja Josipović

12.3. #488

**DOPRINOS CENA ENERGIJE INFLACIJI U SRBIJI U 2024. GODINI**  
**THE IMPACT OF ENERGY PRICES ON INFLATION IN SERBIA IN 2024**

Marko Miljković

12.4. #463

**ZNAČAJ I MOGUĆNOSTI ŠIRE PRIMENE VODONIKA U PROCESU NISKOUGLJENIČNE TRANZICIJE**  
**THE IMPORTANCE AND OPPORTUNITIES OF BROADER HYDROGEN APPLICATION IN THE LOW-CARBON TRANSITION PROCESS**

Maja Pisarov; Marko Vučković

12.5. #464

**FENOMEN NEGATIVNIH CENA ELEKTRIČNE ENERGIJE I NJEGOVE IMPLIKACIJE NA INTEGRACIJU OBNOVLJIVIH IZVORA I SKLADIŠTENJE ENERGIJE**  
**THE PHENOMENON OF NEGATIVE ELECTRICITY PRICES AND ITS IMPACT ON THE INTEGRATION OF RENEWABLE SOURCES AND ENERGY STORAGE**

Marko Vučković; Dušan Jakovljević; Maja Pisarov

12.6. #479

**MEĐUZAVISNOST EKONOMSKOG RASTA I CO2 EMISIJA: TESTIRANJE EKC HIPOTEZE NA PRIMERU EU-15 I CEE-11**  
**THE INTERDEPENDENCE BETWEEN ECONOMIC GROWTH AND CO2 EMISSIONS: TESTING THE EKC HYPOTHESIS ON THE EXAMPLE OF EU-15 AND CEE-11**

Nemanja Lojanica; Vladimir Mihajlović; Dejan Molnar

12.7. #480

**TRANZICIJA KA CIRKULARNOJ EKONOMIJI U SRBIJI - DOSTIGNUĆA I BUDUĆI PRAVCI**  
**CIRCULAR ECONOMY TRANSITION IN SERBIA: ACHIEVEMENTS AND FUTURE DIRECTIONS**

Đorđe Mitrović

12.8. #482

**KALKULATOR KARBONSKOG OTISKA KAO INSTRUMENT ZA BRŽU ZELENU TRANZICIJU: STUDIJA SLUČAJA - GLASSMAKING TRADITION MEETS INNOVATION**  
**CARBON FOOTPRINT CALCULATOR AS AN INSTRUMENT FOR FASTER GREEN TRANSITION: CASE STUDY - GLASSMAKING TRADITION MEETS INNOVATION**

Dejan Molnar; Jelena Nikolić; Hristina Mikić; Đorđe Mitrović

**Četvrtak, 17. april 2025 / Thursday, April 17, 2025**

09:00 – 09:30 **Predavanje po pozivu / Invited lecture**

Moderator: *dr Ilija Batas Bjelić*

**KRITIČNE SIROVINE I ENERGETSKA TRANZICIJA / CRITICAL RAW MATERIALS AND ENERGY TRANSITION**

*Prof. dr Aleksandar Jovović*

09:30 – 11:30 **Paralelne sesije / Parallel Sessions 5**

Specijalna sesija / Special Session - Sala / Hall - Zlatni Bor

**Energetski menadžment u sistemu finalne energije (industrija, saobraćaj, domaćinstva, javne/komercijalne delatnosti, poljoprivreda) / Energy management in the final energy system (industry, traffic, households, public/commercial activities, agriculture)**

Moderator: *prof. dr Dušan Gordić*

13.1. #348

**ENERGETSKO OZNAČAVANJE I ZAHTEVI ZA EKODIZAJN PAMETNIH TELEFONA I TABLETA**  
**ENERGY LABELLING AND ECODESIGN REQUIREMENTS OF SMARTPHONES AND TABLETS**

Minja Velemir Radović; Dušan Gordić; Danijela Nikolić; Mladen Josijević

13.2. #367

**MOGUĆNOSTI ZA DEKARBONIZACIJU CEMENTNE INDUSTRIJE PRIMENOM BIOMASE**  
**POSSIBILITIES OF CEMENT INDUSTRY DECARBONIZATION USING BIOMASS**

Filip Nastić; Vladimir Vukašinić; Davor Končalović; Mladen Josijević; Dušan Gordić; Dubravka Živković

13.3. #375

**EKSPERIMENTALNO ISTRAŽIVANJE EKOLOŠKIH POKAZATELJA I PROCESA SAGOREVANJA DIZEL MOTORA ZA SLUČAJ PRIMENE BIODIZELA I BIOETANOLA**  
**EXPERIMENTAL RESEARCH OF ENVIRONMENTAL INDICATORS AND COMBUSTION PROCESSES IN A DIESEL ENGINE WHEN APPLYING BIODIESEL AND BIOETHANOL**

Željko Đurić; Vladimir Vukašinić; Dušan Gordić; Ivan Grujić; Nadica Stojanović

13.4. #391

**EKOLOŠKI EFEKTI PRIMJENE BIODIZELA DOBIJENOG OD SJEMENKI GROŽĐA U VOZKOM PARKU DOSTAVNIH VOZILA**  
**ECOLOGICAL EFFECTS OF USING BIODIESEL OBTAINED FROM GRAPE SEEDS IN THE FLEET OF DELIVERY VEHICLES**

Marko Lučić; Vladimir Vukašinić; Dušan Gordić; Ivan Grujić

13.5. #402

**ANALIZA VOZNOG PARKA I PREDLOG KORIŠĆENJA ELEKTRIČNIH VOZILA U ELEKTRODISTRIBUCIJI SOMBOR  
ANALYSIS OF THE VEHICLE PARK AND PROPOSAL FOR THE USE OF ELECTRIC VEHICLES IN ELECTRIC  
DISTRIBUTION SOMBOR**

Aleksandar Stolić; Nebojša Berić; Marko Filakov

13.6. #443

**OPTIMIZACIJA KONSTRUKTIVNIH PARAMETARA KOMPONENTI VODNIH HIDRAULIČKIH SISTEMA - RAZVOJ  
OBNOVLJIVIH IZVORA ENERGIJE  
OPTIMIZATION OF CONSTRUCTION PARAMETERS OF COMPONENTS OF WATER HYDRAULIC SYSTEMS -  
DEVELOPMENT OF RENEWABLE ENERGY SOURCES**

Nenad Todić; Slobodan Savić; Dušan Gordić; Živojin Stamenković; Vanja Šušteršić

13.7. #423

**OBNOVLJIVI IZVORI ENERGIJE I ENERGETSKA EFIKASNOST U INDUSTRIJI  
RENEWABLE ENERGY SOURCES AND ENERGY EFFICIENCY IN INDUSTRY**

Saša Đorđević

13.8. #421

**POTENCIJAL BIOGASNIH ELEKTRANA, I BIOMETAN KAO MOGUĆA ZAMENA ZA PRIRODAN GAS  
THE POTENTIAL OF BIOGAS POWER PLANTS, AND BIOMETHANE AS A POSSIBLE SUBSTITUTE FOR NATURAL GAS**

Milica Dukić, Milica Repac, Nataša Savić

09:30 – 11:30 Specijalna sesija / Special Session - Sala / Hall – Crni Bor

**Aktuelne teme iz prenosnih mreža i tržišta električne energije / Trending topics within  
distribution networks and power**

Moderator: *dr Bojan Ivanović*

14.1. #382

**ZELENA I INJEKTIRANA ENERGIJA NA PRENOSNOJ MREŽI SRBIJE U PROCESU DEKARBONIZACIJE  
THE GREEN AND INJECTED ENERGY ON SERBIA'S TRANSMISSION NETWORK IN THE DECARBONIZATION  
PROCESS**

Vladimir Grujić

14.2. #343

**NOVA REALNOST I NOVA OPTIMALNOST ENERGETSKE I KLIMATSKE POLITIKE REPUBLIKE SRBIJE  
NEW REALITY AND OPTIMALITY OF SERBIAN ENERGY AND CLIMATE POLICY**

Ilija Batas Bjelić; Nikola Rajaković

14.3. #346

**DODATNE MJERE ZA ZELENU TRANZICIJU UNUTAR ENERGETSKE STRATEGIJE  
ADDITIONAL MEASURES FOR A GREEN TRANSITION WITHIN THE ENERGY STRATEGY**

Zinaida Dimitrijević

14.4. #411

**INTEGRACIJA OBNOVLJIVIH IZVORA ENERGIJE U DISTRIBUTIVNE SISTEME: IZAZOVI, ZAKONODAVNA  
REGULATIVA I ULOGA INVERTORA**

Stevan Rakočević; Martin Čalasan; Ivan Šaranović

14.5. #447

**TEORIJSKA ANALIZA LANČANICE ODREĐENE KVADRATNOM FUNKCIJOM I FUNKCIJOM KOSINUS HIPERBOLIČKI  
THEORETICAL ANALYSIS OF CATENARY DETERMINED BY PARABOLA AND COSINE HYPERBOLIC**

Žarko Nestorović; Slobodan Stamenov; Dragan Marinović; Bojan Rakić; Goran I. Jovanović; Petar Nikolić

14.6. #469

**MODELOVANJE I OPTIMIZACIJA EES-A U PLEXOS-U: OD DISPEČA DO DUGOTRAJNOG PLANIRANJA  
MODELLING AND OPTIMIZATION OF THE POWER SYSTEM IN PLEXOS: FROM DISPATCH TO LONG-TERM  
PLANNING**

Mina Dimić; Mila Drajić



14.7 #448

**PRAKTIČNI PRIMERI LANČANICE**

**Examples of Catenary from Practice**

Petar Nikolić, Slobodan Stamenov, Dragan Marinović, Bojan Rakić, Goran I. Jovanović, Žarko Nestorović

14.8 #344

**RAZMATRANJE SLUČAJA AKO SNAGA SOLARNIH PANELA PREMAŠUJE SNAGU POTROŠNJE U NISKONAPONSKOJ MREŽI  
CASE CONSIDERATION IF SOLAR PANELS POWER EXCEEDS CONSUMPTION IN THE LOW-VOLTAGE NETWORK**

Siniša Spremić; Aleksandar Antonić

09:30 – 11:30 *Specijalna sesija / Special Session - Sala / Hall 3*

**Građanke i građani u energetskej tranziciji / Citizens in energy transition**

Moderator: *prof. dr Dejan Ivezić*

15.1. #363

**DOMAĆINSTVA I ENERGETSKA TRANZICIJA U REPUBLICI SRBIJI: PRAVNI OKVIR I STVARNA PRAKSA**

**HOUSEHOLDS AND ENERGY TRANSITION IN THE REPUBLIC OF SERBIA: LEGISLATIVE FRAMEWORKS AND REAL PRACTICE**

Aleksandar Madžarević; Boban Pavlović; Dušan Mojić; Dejan Ivezić; Marija Živković

15.2. #366

**PREKO ZAJEDNIČKE ENERGIJE DO ZAJEDNIČKOG OTREŽNENJA**

**THROUGH COMMUNITY ENERGY TO ENERGY SOBRIETY**

Davor Končalović; Dubravka Živković; Filip Nastić; Ana Džokić; Marc Neelen; Nenad Maričić; Chris Vrettos

15.3. #456

**GRAĐANSKA SVEST I ENERGETSKA KULTURA KAO GARANCIJA ODRŽIVE ENERGETSKE TRANZICIJE: SVET I SRBIJA**

**CITIZEN AWARENESS AND ENERGY CULTURE AS A GUARANTEE OF A SUSTAINABLE ENERGY TRANSITION: THE WORLD AND SERBIA**

Petar Đukić

15.4. #359

**ENERGY COMMUNITIES AS A LEGAL PHENOMENON: KEY CHARACTERISTICS OF THE ANALYTICAL FRAMEWORK**

Predrag Cvetković

15.5. #369

**UPOTREBA ALTERNATIVNIH MERA JAVNE POLITIKE ZA OSTVARENJE CILJEVA UŠTEDA ENERGIJE: STUDIJA SLUČAJA IZ SRBIJE**

**THE USE OF ALTERNATIVE PUBLIC POLICY MEASURES TO ACHIEVE ENERGY SAVING GOALS: A CASE STUDY FROM SERBIA**

Filip Blagojević; Aleksandar Macura; Jasminka Young

15.6. #432

**ENERGETSKA BUDUĆNOST GRADOVA: ŠTA JE VAŽNO IZ UGLA RAZLIČITIH ZAINTERESOVANIH STRANA**

**THE ENERGY FUTURE OF CITIES: PERSPECTIVES FROM DIFFERENT STAKEHOLDERS**

Jelena Nikolić; Dušan Gordić; Vladimir Vukašinović; Dubravka Živković; Davor Končalović; Mladen Josijević

15.7. #430

**ENERGETSKE ZAJEDNICA U SRBIJI I EVROPI: KOMPARATIVNA ANALIZA REGULATORNIH OKVIRA**

**ENERGY COMMUNITIES IN SERBIA AND EUROPE: A COMPARATIVE ANALYSIS OF REGULATORY FRAMEWORKS**

Jelena Nikolić; Karl Sperling; Peter Sorknæs; Henk-Jan Kooij; Martijn Gerritsen; Maja Louise Ørsted Clemmensen

15.8. #487

**ELEKTRIČNI PUTEVI BUDUĆNOSTI: INOVACIJE U ODRŽIVOJ SAOBRAĆAJNOJ INFRASTRUKTURI**

**ELECTRIC ROADS OF THE FUTURE: INNOVATIONS IN SUSTAINABLE TRAFFIC INFRASTRUCTURE**

Dejan Janjić; Branko Koprivica

12:00 – 14:00 **Paralelne sesije / Parallel Sessions 6**

Specijalna sesija / Special Session - Sala / Hall - Zlatni Bor

**Aktuelne teme iz distributivnih mreža - distributivni sistem u uslovima energetske tranzicije / Current topics from distribution networks - distribution system in conditions of energy transition**

Moderator: *Dunja Grujić*

16.1. #491

**FLEKSIBILNOST U DISTRIBUTIVNIM MREŽAMA KAO POKRETAČ ENERGETSKE TRANZICIJE**

Ljubo Mitrašević

16.2. #388

**IZAZOVI ZA ENERGETSKU TRANZICIJU POVEZANI SA DISTRIBUTIVNIM SISTEMOM I PREDLOZI ZA NJIHOVO PREVAZILAŽENJE**

**CHALLENGES FOR THE ENERGY TRANSITION RELATED TO THE DISTRIBUTION SYSTEM AND PROPOSALS FOR OVERCOMING THEM**

Dunja Grujić; Jelisaveta Krstivojević; Jelena Stojković Terzić

16.3. #404

**IZAZOVI PROCEDURE PRIKLJUČENJA ELEKTRANA NA DSEE U RS**

**CHALLENGES OF THE PROCEDURES FOR CONNECTING POWER PLANTS TO EDS IN THE RS**

Obrenko Čolić; Biljana Janković; Marija Kričak

16.4. #427

**UTICAJ INTEGRACIJE KUPACA-PROIZVOĐAČA NA GUBITKE ELEKTRIČNE ENERGIJE I NASTALI IZAZOVI U ELEKTRODISTRIBUTIVNOM SISTEMU CRNE GORE**

**INFLUENCE OF THE PROSUMER INTEGRATION ON ELECTRICITY LOSSES AND ARISING CHALLENGES IN THE ELECTRICAL DISTRIBUTION SYSTEM OF MONTENEGRO**

Milena Vukčević; Jelena Gajović; Dražen Jovanović

16.5. #409

**PLANIRANJE I SPROVOĐENJE NABAVKE ELEKTRIČNE ENERGIJE ZA POKRIVANJE GUBITAKA OPERATORA DISTRIBUTIVNOG SISTEMA CRNE GORE NA TRŽIŠNIM OSNOVAMA**

**PLANNING AND IMPLEMENTATION OF ELECTRICITY PROCUREMENT TO COVER THE LOSSES OF THE DISTRIBUTION SYSTEM OPERATOR OF MONTENEGRO ON A MARKET BASIS**

Jovana Maljković; Stevan Živković; Milena Vukčević; Vladimir Ivanović

16.6. #410

**FLEKSIBILNOST ELEKTRODISTRIBUTIVNOG SISTEMA CRNE GORE I MOGUĆNOSTI ZA NJENO UNAPREĐENJE**  
**FLEXIBILITY OF DISTRIBUTION POWER SYSTEM SISTEMA OF MONTENEGRO AND OPPORTUNITIES FOR ITS IMPROVEMENT**

Andrija Vujović; Stevan Živković

16.7. #446

**PRAKTIČNA ISKUSTVA IZ BIH U OTKUPU ELEKTRIČNE ENERGIJE OD MALIH I SREDNJIH PROIZVOĐAČA IZ OIE**  
**PRACTICAL EXPERIENCES FROM BOSNIA AND HERZEGOVINA IN PURCHASING ELECTRICITY FROM SMALL AND MEDIUM RENEWABLE ENERGY PRODUCERS**

Miroslav Divčić; Mladen Apostolović; Milan Timotija

16.8. #466

**POSLEDICE UVOĐENJA TRŽIŠTA FLEKSIBILNOSTI NA DISTRIBUTIVNOM NIVOU NA OPERATORA PRENOSNOG SISTEMA**

**IMPLICATION OF THE INTRODUCTION OF THE FLEXIBILITY MARKET AT THE DISTRIBUTION LEVEL ON THE TRANSMISSION SYSTEM OPERATOR**

Nikola Tošić; Marko Zarić; Jadranka Janjanin; Saša Zdravković

12:00 – 14:00 Specijalna sesija / Special Session - Sala / Hall – Crni Bor  
**Energetska i emisiona efikasnost sistema / Energy and emission efficiency of the system**  
Moderator: *dr Mladen Josijević*

17.1. #440

**METODOLOGIJA PRORAČUNA KARBONSKOG OTISKA PROIZVODA NA PRIMERU MLEKARE  
A METHODOLOGY FOR CALCULATING PRODUCT CARBON FOOTPRINT IN THE CASE OF A DIARY**

Mladen Josijević; Dušan Gordić; Vanja Šušteršić; Vladimir Vukašinić; Dubravka Živković; Jelena Nikolić

17.2. #441

**ENERGETSKA EFIKASNOST KOMPONENTI I SISTEMA VODNE HIDRAULIKE -TRIBOLOŠKI ASPEKTI ISTRAŽIVANJA I RAZVOJA  
ENERGY EFFICIENCY OF WATER HYDRAULICS COMPONENTS AND SYSTEMS - TRIBOLOGY ASPECTS OF RESEARCH  
AND DEVELOPMENT**

Nenad Todić; Slobodan Savić; Blaža Stojanović; Snežana Vulović

17.3. #352

**POBOLJŠANJE ENERGETSKE EFIKASNOSTI PRIMENOM BATERIJA ZA KOMUNALNU PUMPNU STANICU ZA  
VODOSNABDEVANJE**

**MUNICIPAL WATER SUPPLY PUMPING STATION ENERGY EFFICIENCY IMPROVEMENT USING BATTERIES**

Marijan Dominković; Danijel Pavković; Sandra Stanković; Karlo Kvaternik; Mihael Cipek

17.4. #406

**PRIMJENA DVOGORIVNIH MOTORA U BRODSKOM POGONU: IZAZOVI I PERSPEKTIVE**

**APPLICATION OF DUAL-FUEL ENGINES IN MARINE PROPULSION: CHALLENGES AND PERSPECTIVES**

Sead Cvrk; Draško Kovač; Đorđe Nedeljkov

17.5. #407

**ANALIZA ENERGETSKE EFIKASNOSTI BRODSKIH ENERGETSKIH SISTEMA**

**ANALYSIS OF ENERGY EFFICIENCY OF SHIP ENERGY SYSTEMS**

Draško Kovač; Sead Cvrk; Đorđe Nedeljkov

17.6. #408

**PRIMENA GEOGRAFSKIH INFORMACIONIH SISTEMA (GIS) U IZRAČUNAVANJU VEGETACIONOG INDEKSA  
APPLICATION OF GEOGRAPHIC INFORMATION SYSTEMS (GIS) IN VEGETATION INDEX CALCULATION**

Nikola Stanković

17.7. #379

**HYBRID PUMPED HYDRO STORAGE**

Matej Fike

17.8. #365

**PROCENA EMISIJE UGLJEN-DIOKSIDA NA FARMAMA MLEKA**

**ASSESSMENT OF CARBON-DIOXIDE EMISSIONS ON DAIRY FARMS**

Anđela Ivković; Mladen Josijević; Dušan Gordić; Đorđe Ivković

12:00 – 14:00 Specijalna sesija / Special Session - Sala / Hall 3

**Energetska tranzicija, nove tehnologije, pogonski aspekti i održavanje / Energy transition, new  
technologies, operational aspects and maintenance**

Moderator: *dr Ilija Batas Bjelić*

18.1. #450

**MODELIRANJE KVALITETA VODA U ZONI RUDNIKA SA POVRŠINSKOM EKSPLOATACIJOM LIGNITA, PRIMENOM  
METODA DALJINSKE DETEKCIJE I GIS-A**

**MODELING OF WATER QUALITY IN A SURFACE MINE ZONE EXPLOITATION OF LIGNITE, APPLICATION OF  
REMOTE DETECTION METHODS AND GIS**

Milislav Tomić; Milica Živanović; Miodrag Tomić; Miodrag Đurović; Nikola Petrović; Zorica Gojak

18.2. #477

**VIBRACIONO TERMIČKI INDIKATOR OŠTEĆENJA KLIZNIH LEŽAJEVA  
VIBRATION THERMAL INDICATOR OF SLIDING BEARING DAMAGE**

Ranko Antunović

18.3. #384

**UNAPREĐENJE PREDIKCIJE SNAGE NA IZLAZU HIDROELEKTRANE KROZ KLASTER ANALIZU PODATAKA I KOMBINOVANI MODEL VEŠTAČKIH NEURONSKIH MREŽA**  
**IMPROVEMENT OF POWER OUTPUT PREDICTION IN HYDROELECTRIC PLANTS THROUGH CLUSTER ANALYSIS OF DATA AND A COMBINED ARTIFICIAL NEURAL NETWORK MODEL**

Stefan Čubonović; Aleksandar Ranković; Marko Krstić

18.4. #412

**VLAGA U ENERGETSKIH TRANSFORMATORA**  
**MOISTURE IN POWER TRANSFORMERS**

Filip Rzharov

18.5. #413

**ANALIZA VOĐENA VEŠTAČKOM INTELIGENCIJOM ZA OPTIMIZACIJU UPRAVLJANJA VELIKOM FLOTOM VISOKONAPONSKIH ELEMENATA POMOĆU PAMETNIH ALATA**  
**AI-DRIVEN ANALYSIS FOR OPTIMIZING LARGE FLEET MANAGEMENT OF HIGH-VOLTAGE ASSETS USING SMART TOOLS**

Filip Rzharov

18.6. #420

**POREĐENJE RAZLIČITIH TIPOVA MOKRIH POLJA U PREČIŠĆAVANJU OTPADNE VODE**  
**COMPARISON OF DIFFERENT TYPES OF CONSTRUCTED WETLANDS FOR WASTEWATER TREATMENT**

Nikola Stanković

18.7. #425

**IZRADA I PRIMENA UREĐAJA ZA MERENJE OPERACIONIH VREMENA GENERATORSKOG PREKIDAČA U HE ĐERDAP 1**  
**DEVELOPMENT AND APPLICATION OF A DEVICE FOR MEASUREMENT OF GENERATOR CIRCUIT BREAKER OPERATING TIMES IN THE DJERDAP 1 HYDRO-POWER PLANT**

Dragan Nikolić; Miloš Gicić; Petar Nikolić; Dragan Marinović; Žarko Nestorović

14:15 – 14:45 **ZAVRŠNA SESIJA / CLOSING SESSION - Sala / Hall - Zlatni Bor**

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Autorima će za prezentaciju rada na raspolaganju biti projektor sa pratećom opremom, koja tehnički podržava projekcije prezentacija izrađenih u MS PowerPoint formatu, prema dostavljenom šablonu konferencije ENERGETIKA 2025. Autori su u obavezi da USB memoriju sa prezentacijom donesu 30 minuta pre početka sesije u kojoj izlažu rad - tehničkom licu ili predsedavajućem sesije. Trajanje usmenog izlaganja je do **12 minuta**.

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## MESTO ODRŽAVANJA / VENUE



**Zlatibor** je već godinama najposećenija planina u Srbiji. Ovaj planinski masiv nalazi se na putu ka *Jadranskom moru*, na samo 230 km od Beograda. Sa čak *220 sunčanih dana godišnje* predstavlja idealno mesto za odmor i sportske aktivnosti, uključujući i zimske sportove. Ovaj planinski biser Srbije je dobio svoje ime po svojim zlatnim pašnjacima i prostranstvima grandioznih borovih šuma. Turizam na Zlatiboru počeo je da se razvija dolaskom kralja Aleksandra Obrenovića i njegovom posetom izvoru

Kulaševac. Od tog trenutka, imućniji ljudi tog vremena počeli su da grade vile i letnjakovce, i na taj način započeli dugogodišnju tradiciju Zlatibora kao turističkog centra. Najviši vrh ovog parka prirode je *Tornik (1496m)*, iznad kog se rascvetala *ruža vetrova* koja ovu planinu čini jedinstvenom oazom zdravlja. Zlatibor je planina koja godinama širi svoje ruke svima onima koji žele da uživaju u njenim prirodnim, istorijskim i kulturnim bogatstvima.

*Zlatibor is a mountain of exceptional beauty, with the altitude of 700-1500 m, in southwestern Serbia, located 230 km away from Belgrade and the nearest airport. It is featured by mild climate conditions, spacious glades and lush pastures intersected with mountain brooks and colored by torrential pine trees that this mountain was named after. It is at this very place that mountain air currents collide with marine air currents to improve pulmonary and cardiac conditions, in particular those related to thyroid gland and anemia. On the outskirts of the Zlatibor central area, you can set out for an adventure – you can explore the beauty and vividness of both the nature and cultural & historical heritage. We sincerely hope you will have time to reveal the Zlatibor of your own.*



**Hotel Zlatibor Resort** nalazi se u samom centru Zlatibora i idealan je spoj udobnog, komfornog i relaksirajućeg smeštaja sa duhom tradicije i sjajem savremenog luksuza, uz sve čari planinskog ambijenta. Pored idealne lokacije na kojoj se hotel nalazi, dodatnu lepotu uživanja vam pruža ogromna mogućnost izbora hotelskih soba i apartmana, koji su dizajnirani tako da svako pronađe idealan prostor za sebe i svoj savršen odmor. Četiri različita tipa soba i apartmana, dizajnirani su tako da svaki tip priča svoju priču i daje dozu luksuza ambijentu u kom se nalazi. Pogled na centar Zlatibora i čist vazduh planine oko Vas, doprinose potpunom komforu kroz upotrebu najmodernijih tehnologija izgradnje i dizajna. Magnesium Spa & Fitness centar predstavlja raj na 4000 kvadratnih metara. Ovo je mesto koje balansira prirodu, tradiciju i savremene trendove brige o telu.

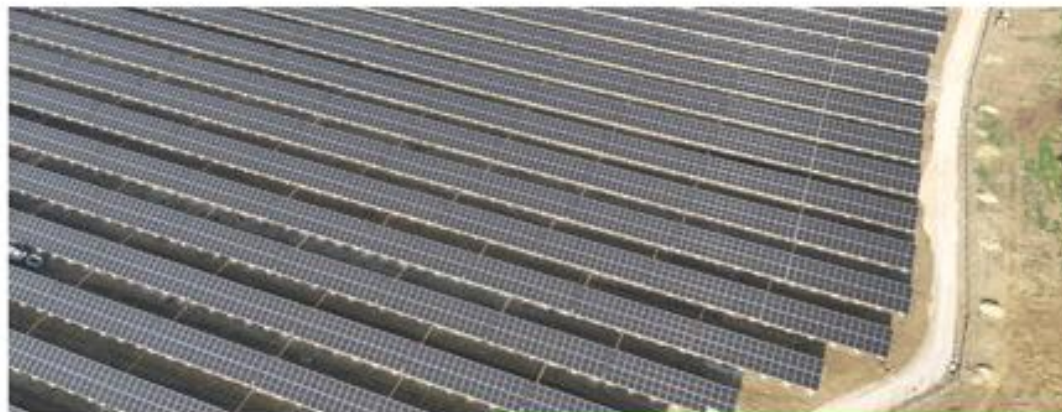


*Hotel Zlatibor Resort is located in the very center of Zlatibor and is an ideal combination of cozy, comfortable and relaxing accommodation with the spirit of tradition and the splendor of modern luxury, with all the charms of the mountain environment. In addition to the*



*ideal location where the hotel is located, the additional beauty of enjoyment is provided by the huge choice of hotel rooms and suites, which are designed so that everyone can find the ideal space for themselves and their perfect vacation. Four different types of rooms and suites, designed so that each type tells its own story and gives a touch of luxury to the environment in which it is located. The view of the center of Zlatibor and the clean mountain air around you contribute to complete comfort through the use of the most modern construction and design technologies. The Magnesium Spa & Fitness Center is a paradise on 4000 square meters. This is a place that balances nature, tradition and modern body care trends.*





**ЕПС**



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