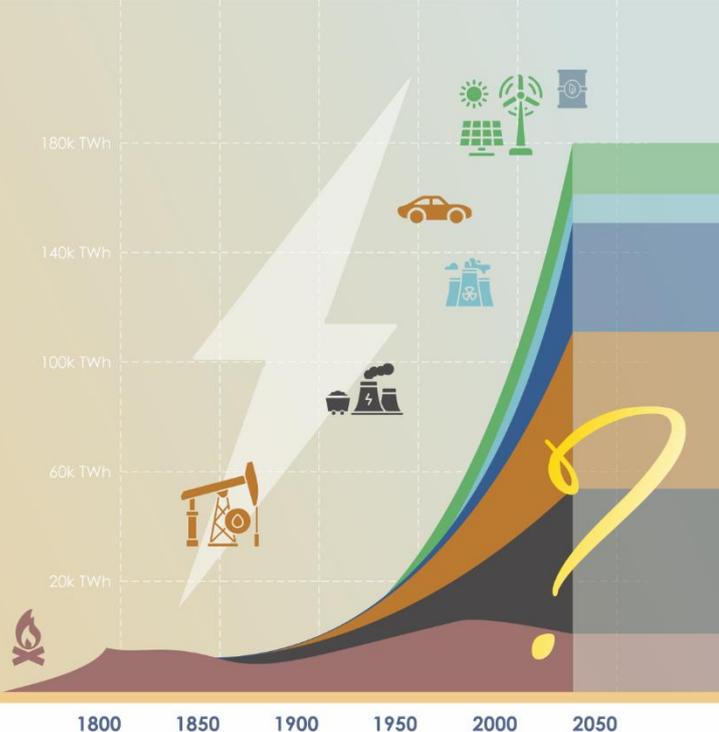


41. Međunarodno Savetovanje  
International Conference

# ENERGY ENERGETIKA 2026



## PROGRAM SAVETOVANJA CONFERENCE PROGRAM

15-18 / 04 / 2026  
Hotel Zlatibor Resort, Zlatibor



**ЕЛЕКТРОПРИВРЕДА  
СРБИЈЕ**



Savez energetičara  
Association of Energy Sector Specialists

**Četvrtak 16. april 2026 / Thursday, April 16, 2026**

**10:00 – 11:30 | PANEL 1**

**KAKO DO "ZELENOG" REGIONA - NOVI OIE PROJEKTI, ŠANSE DEKARBONIZACIJE**  
HOW TO REACH A "GREEN" REGION - NEW RES PROJECTS, CHANCES OF DECARBONIZATION

**12:00 – 13:30 | PANEL 2**

**FINASIJSKI IZAZOVI ENERGETSKE TRANZICIJE**  
FINANCIAL CHALLENGES OF ENERGY TRANSITION

**Petak, 17. april 2026 / Friday, April 17, 2026**

**10:00 – 11:30 | PANEL 3**

**OTVORENA VRATA ZA VEŠTAČKU INTELIGENCIJU U ELEKTROENERGETICI**  
OPEN DOORS FOR ARTIFICIAL INTELLIGENCE IN POWER SYSTEMS

**12.00 – 13.30 | PANEL 4**

**NOVA ENERGETSKA REALNOST - SKLADIŠTA ELEKTIČNE ENERGIJE**  
NEW ENERGY REALITY - POWER STORAGE

POKROVITELJ - ENDORSEMENT



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# ZAŠTO PRISUSTVOVATI SAVETOVANJU PREKO 400 UČESNIKA IZ OBLASTI ENERGETIKE ČETIRI PANELA NA TEMU KLJUČNIH AKTUELNOSTI U ENERGETICI PREKO 140 KONFERENCIJSKIH SAOPŠTENJA

Međunarodno Savetovanje **ENERGETIKA 2026** sa radnim naslovom **ENERGETIKA BUDUĆNOSTI** održava se posle jubilarnog 40. Savetovanja koje je definitivno potvrdilo da su naša savetovanja stručna i naučna tribina za suočavanje različitih pogleda na energetski sektor u atmosferi akademske tolerantnosti. Pokazalo se da je napredak u ovom značajnom sektoru moguć samo ako se kompleksna pitanja energetike sagledavaju sa visokim nivoom profesionalizma, ali i sa dubokim razumevanjem različitih mišljenja.

U prethodnom periodu usvojena su tri dokumenta od velikog značaja za energetski sektor: Integrisani nacionalni energetski i klimatski plan Republike Srbije, Strategija razvoja energetike Republike Srbije do 2040. godine, sa projekcijama do 2050. godine i Izmene i dopune Zakona o energetici. Ti dokumenti čine dobar iskorak ka dekarbonizovanom energetskom sektoru u Srbiji. Međutim, predstoji važniji deo posla - sprovođenje deklaracija u realni život. Jedan od preduslova za uspešnu implementaciju je jaka domaća stručna baza — koja se razvija i kroz udruženja energetskih stručnjaka kao što je Savez energetičara.

Ovo međunarodno savetovanje uvek je 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 objavljivani u našem poznatom naučnom časopisu „**ENERGIJA, EKONOMIJA, EKOLOGIJA**“ i drugim visoko rangiranim svetskim naučnim časopisima. Tako će biti i ovaj put, a očekuje se da će dominirati naučni prilozi u **oblastima**:

- *strateško planiranje energetike budućnosti,*
- *energetske politike i regulativa u sektoru,*
- *razvoj i primena metoda veštačke inteligencije u energetici,*
- *široko korišćenje obnovljivih izvora energije,*
- *distribuirana proizvodnja energije,*
- *skladištenje energije sa sprezanjem sektora i razvojem tehnologija fleksibilizacije,*
- *elektroenergetske mreže i tržišta u sektoru,*
- *cirkularna ekonomija u energetskom sektoru,*
- *razvoj i korišćenje energetski efikasnih hibridnih i električnih vozila,*
- *digitalizacija energetskog sektora i računarska bezbednost u sektoru,*
- *energetska efikasnost u svim sektorima finalne energije,*
- *zaštita životne sredine u funkciji optimalnog energetskog miksa,*
- *korišćenje nuklearne energije (nove male modularne elektrane, radioaktivni otpad...),*
- *tehnologije sakupljanja, skladištenja i korišćenja ugljenika,*
- *obrazovanje i kadrovi za održivi razvoj energetike u kontekstu sve prisutnije veštačke inteligencije.*

U okviru Međunarodnog savetovanja **ENERGETIKA 2026** u suorganizaciji sa Akcionarskim društvom „Elektroprivreda Srbije“ predviđena je konferencija „Energija Projekti Sigurnost“ sa četiri panela koji će se baviti najaktuelnijim temama ključnim za razvoj i budućnost energetike u Srbiji i regionu. Kao i prethodnih godina, na Savetovanju će biti održana uvodna pozivna predavanja, prezentacije (usmene, poster, promotivno-marketinške) i izložbe o dostignućima u energetici, industriji, komunalnim sistemima, saobraćaju, zgradarstvu, obnovljivim i novim izvorima energije, kao i studentski akademski projekti. Na savetovanju **ENERGETIKA 2026** biće svečano uručena priznanja za naučno-istraživačke doprinose i diplome sa novčanim nagradama za studentska ostvarenja.

Šira slika energetike ukazuje da su energetske potrebe čovečanstva velike i iz godine u godinu postaju sve veće jer je energija nezamenljivi pokretač ekonomskog rasta i velikog broja tehnoloških unapređenja. Trend elektrifikacije svih oblasti privrede (transport, industrija, grejanje/hlađenje...) uz neprekidno povećanje energetske potreba u korišćenju data centara, veštačke inteligencije i kriptovaluta dodatno povećava pritisak na sektor proizvodnje električne energije u regionu, u kome i dalje dominiraju fosilna goriva. Poslednjih godina, pod pritiskom globalnih

## WHY ATTEND THE CONFERENCE

**OVER 400 PARTICIPANTS FROM THE ENERGY FIELD**  
**FOUR PANELS ON THE TOPIC OF KEY NEWS IN ENERGY**  
**OVER 140 CONFERENCE ANNOUNCEMENTS**

The International Symposium **ENERGY 2026** under the working title **ENERGY OF THE FUTURE** takes place after the jubilee 40th Symposium, which has definitely confirmed that our symposia are a professional and scientific forum for confronting different views related to the energy sector in an atmosphere of academic tolerance. It has been proved that progress in this important sector is only possible if complex energy issues are viewed based on a high level of professionalism, but also with deep understanding of different opinions.

In the previous period, three documents of great importance for the energy sector were adopted: the Integrated National Energy and Climate Plan of the Republic of Serbia, Energy Development Strategy of the Republic of Serbia until 2040, with projections until 2050, and Amendments to the Energy Law. Those documents make a good step towards a decarbonized energy sector in Serbia. However, a more important part of the work lies ahead - implementing the declarations into real life. One of the prerequisites for successful implementation is a strong domestic professional basis — which is also being developed through associations of energy experts such as the Energy Association.

This international symposium has always been a favourite forum where experts from universities, scientific institutes and business, from our country and worldwide, have presented their scientific results and discussed them and where those that had passed the peer review procedure were published in our well-known scientific journal "**ENERGY, ECONOMY, ECOLOGY**" and in other high-ranking world scientific journals. It will be so this time too, and it is expected that scientific contributions will dominate in the following **areas**:

- *strategic planning of future energy,*
- *energy policies and regulations in the sector,*
- *development and application of artificial intelligence methods in energy,*
- *wide use of renewable energy sources,*
- *distributed energy production,*
- *energy storage with the coupling of sectors and the development of flexibilization technologies,*
- *power networks and markets in the sector,*
- *circular economy in the energy sector,*
- *development and use of energy-efficient hybrid and electric vehicles,*
- *digitization of the energy sector and computer security in the sector,*
- *energy efficiency in all final energy sectors,*
- *environmental protection as a function of optimal energy mix,*
- *use of nuclear energy (new small modular power plants, radioactive waste...),*
- *carbon collection, storage and utilization technologies,*
- *education and personnel for sustainable energy development in the context of increasingly present artificial intelligence.*

As part of the International **ENERGY 2026** Symposium, co-organized by the Joint Stock Company "Elektroprivreda Srbije", the "Energy Projects Security" conference is also planned, with four panels dealing with the most current topics crucial for the development and future of energy in Serbia and the region. As in the previous years, introductory invited lectures, presentations (oral, poster, promotional-marketing) and exhibitions on achievements in energy, industry, utility systems, traffic, building, renewable and new energy sources, as well as student academic projects will be held at the Symposium. Awards for scientific and research contributions and diplomas and cash prizes for student achievements will also be officially presented at the **ENERGY 2026** symposium.

A broader picture of energy indicates that the energy needs of humanity are large and that they are increasing every year, as energy is an irreplaceable driver of the economic growth and a large number of technological improvements. The trend of electrification of all areas of the economy (transportation, industry, heating/cooling...)

klimatskih promena, svet je ubrzao proces dekarbonizacije energetike - postepenog napuštanja fosilnih goriva. Zbog geostrateških tektonskih pomeranja (kovid, rat u Ukrajini i na Bliskom istoku, nova energetska politika SAD), privremeno se pojavljuju i opcije za povratak fosilnim gorivima i slični izleti. Međutim, gotovo je nesumnjivo da bez obzira na povremena odstupanja, dekarbonizacija ostaje glavni trend.

U takvim okolnostima upravljanje razvojem energetskog sektora postaje složen proces sa veoma ograničenim prostorom za manevar u pronalaženju optimalnih rešenja. Na ova rešenja utiču klimatske promene, rezerve prirodnih energetskih resursa, raspoložive tehnologije, ekonomska isplativost projekata i vremenski okviri procesa dekarbonizacije — a sve to uz obezbeđivanje sigurnog snabdevanja električnom energijom i toplotom.

Posebno je značajno da su razmišljanja industrije, gotovo svih tehnoloških lidera u sektoru, kao i firmi koje razvijaju projekte obnovljivih izvora energije (OIE), onih koji projektuju, izvode radove i kasnije učestvuju u eksploataciji elektrana na OIE, dominantno pozitivan u smislu širokog korišćenja OIE i sva je prilika da se narednih desetak godina može i mora iskoristiti za veliki iskorak u ovoj oblasti. Sigurno je da pristup kojim se OIE isključivo glorifikuju nema mesta, pošto i njihova primena ima slabih tačaka, ali je isključivost u pravcu negiranja perspektiva OIE još manje opravdana. Zbog toga bi bilo važno da se razmotre i postojeći sistemi tržišnih premija i sistemi fid-in tarifa, a koji se odnose se na cenu električne energije, preuzimanje balansne odgovornosti, pravo na prioritetan pristup sistemu i druge podsticaje propisane zakonom.

Energetska tranzicija, pored tehnoloških, finansijskih i ekonomskih promena, donosi i značajne društvene transformacije. Pojava i rast broja kupaca - proizvođača u Srbiji, kao i osnivanje nekoliko energetskih zadruga, ohrabrujući su znaci demokratizacije energetike. Međutim, kako intenzivirati ove procese? Kako održati pristupačne cene energije za građane i privredu, izbegavajući zamku korišćenja energetske politike kao socijalne politike? Da li ima mesta za domaćinstva i pojedince u oblikovanju energetske politike (posebno u grejanju)? Da li postoji budućnost za energetske zadruge u korišćenju biomase u Srbiji? Sva ova pitanja treba pažljivo razmotriti i predložiti relevantne odgovore.

Od posebnog značaja je pitanje transformacije elektroprivreda u kontekstu efikasnijeg poslovanja. Nesporno je da transformacija doprinosi bržem donošenju odluka i, iz perspektive kompanija, izraženijem kursu u kome je profit ključni pokazatelj poslovanja.

Uprkos nekim zabrinjavajućim tonovima o trenutnom stanju i perspektivama energetskog sektora u Srbiji i regionu, čini se da je zajednički imenitelj poruka da optimizam u našem energetskom sektoru nije prazna fraza. Razlozi su brojni i svode se na razmišljanja bliska konsenzusu u struci da je posvećenost dekarbonizaciji čvrsta i neupitna, da su OIE postupno sa sve većim udelom u energetskom miksu i da su tesno spregnuti u svim energetskih sektorima i sa tehnologijama skladištenja, da se energetska efikasnost poboljšava, da prirodni gas, kao prelazno gorivo i dalje ima svoju ulogu, da tehnologije primene vodonika sve više obećavaju i mogu se dovesti u ravan kompeticije sa nuklearnim tehnologijama, da su tehnologije hvatanja, skladištenja i korišćenja ugljenika i dalje relevantne,...

Dekarbonizacija elektroenergetskog sektora u Srbiji i u regionu, kao najvažnija poluga energetske tranzicije, je od izuzetne važnosti kako sa energetskog aspekta, tako i sa stanovišta finansijske perspektive sektora, ali pre svega sa aspekta smanjenja emisija. U tom kontekstu potrebno je istaći da su Srbija i region i dalje veoma zavisni od lignita čija je eksploatacija sve složenija. Izgledi za brzo napuštanje uglja su nerealni, ali gotovo da preovlađuje saznanje da je postepeno gašenje starih termoenergetskih kapaciteta uz izgradnju novih zamenskih kapaciteta iz OIE (koji su adekvatni i po snazi i po energiji) neminovnost. Pri tome je važno ukazati da glavni fokus aktivnosti u sektoru ne treba da bude što duže održavanje postojećeg načina proizvodnje i zavisnosti od lignita, već upravo iskorak ka novim tehnologijama za proizvodnju iz OIE podržanim sa izgradnjom skladišta energije.

Finansijski i ekonomski aspekti energetske tranzicije predstavljaju dodatni izazov. Dugo se smatralo da je finansiranje projekata OIE dominantno zadatak privatnih investitora, EU fondova i građana, ali je danas nesporno da i veliki igrači u sektoru moraju da ponesu proporcionalni deo tereta u izgradnji OIE i da odgovorno participiraju u ovom velikom poslu. Otvaraju se pitanja: gde pronaći kapital za dodatnu stimulaciju korišćenja OIE i onih subjekata koji dosledno i čvrsto sprovode programe energetske efikasnosti i zaštite životne sredine? Kako obezbediti da domaća energetika ne izgubi korak sa okruženjem? Na strani potrošnje električne energije očekuje se rast u sektoru transporta i sektoru grejanja (hlađenja), u industriji i u sektoru računarskih usluga (data centri, veštačka inteligencija...) sa novim zadatkom upravo na strani potrošnje,

with a continuous increase in the energy needs for the implementation of data centres, artificial intelligence and cryptocurrencies, further puts greater pressure on the electricity production sector in the region, which is still dominated by fossil fuels. In the recent years, under the pressure of global climate change, the world has accelerated the process of energy decarbonization - gradual phasing out of fossil fuels. Due to geostrategic tectonic shifts (covid, war in Ukraine and the Middle East, new US energy policy), options for returning to fossil fuels and similar attempts are temporarily appearing. However, it is almost certain that despite occasional deviations, decarbonisation remains the main trend.

In such circumstances, managing the development of the energy sector becomes a complex process with very limited room for manoeuvre in finding optimal solutions. These solutions are influenced by climate change, reserves of natural energy resources, available technologies, economic viability of projects and timelines for the decarbonization process — all while ensuring a secure supply of electricity and heat.

It is particularly significant that the thoughts of the industry, of almost all technological leaders in the sector, as well as companies that develop projects based on renewable energy sources (RES), those who design, carry out works and later participate in the exploitation of RES power plants, are dominantly positive in terms of the wide use of RES and there is every opportunity that the next ten years can and must be used for a big step forward in this area. It is certain that the approach that exclusively glorifies RES has no place, since their application also has weak points, but exclusivity in the direction of denying the prospects of RES is even less justified. Therefore, it would be important to consider the existing systems of market premiums and systems of feed-in tariffs, which refer to the price of electricity, the assumption of balance responsibility, the right to priority access to the system and other incentives prescribed by law.

The energy transition, in addition to technological, financial and economic changes, also brings significant social transformations. The emergence and the growth of the number of prosumers in Serbia, as well as the establishment of several energy cooperatives are encouraging signs of the democratization of energy. However, how to intensify these processes? How to maintain affordable energy prices for citizens and the economy, at the same time avoiding the trap of using energy policy as social policy? Is there a place for households and individuals in shaping the energy policy (especially in heating)? Is there a future for energy cooperatives in the use of biomass in Serbia? All these questions should be carefully considered and relevant answers be proposed.

Of particular importance is the issue of transformation of the electricity industry in the context of more efficient operations. It is undeniable that the transformation contributes to faster decision-making and, from the companies' perspective, a more pronounced course in which profit is the key indicator of business.

Despite some worrying tones about the current state and prospects of the energy sector in Serbia and the region, the common denominator seems to be the message that optimism in our energy sector is not an empty phrase. The reasons are numerous and boil down to thoughts close to the consensus in the profession that the commitment to decarbonization is firm and unquestionable, that RES are gradually taking an increasing share in the energy mix and are closely linked in all energy sectors and with storage technologies, that energy efficiency is improving, that natural gas, as a transition fuel, still has its role, that hydrogen application technologies are increasingly promising and can be brought to the level of competition with nuclear technologies, that carbon capture, storage and utilization technologies are still relevant,...

Decarbonization of the electric power sector in Serbia and in the region, as the most important lever of the energy transition, is extremely important both from the energy aspect and from the financial prospects of the sector, but above all from the aspect of reducing emissions. In this context, it is necessary to point out that Serbia and the region are still very dependent on lignite, the exploitation of which is increasingly complex. Prospects for quick abandonment of coal are unrealistic, but the prevailing knowledge is that the gradual shutdown of old thermal energy capacities with the construction of new replacement capacities from RES (which are adequate both in terms of power and energy) is inevitable. At the same time, it is important to point out that the main focus of activities in the sector should not be the maintenance of the existing production method and dependence on lignite for as long as possible, but rather a step towards new technologies for production from RES supported by the construction of energy storage.

a koji se odnosi na jačanje fleksibilnosti potrošnje (aktivni kupci i agregatori). U potrošnji je vidljiv sezonski disbalans – pored zimskih sve su izraženija i letnja vršna opterećenja. Na tržištu raste broj prilika: kupi jeftino – prodaj skupo i njih je važno optimalno koristiti. U sektoru, a posebno u distributivnom podsistemu, neophodne su modernizacija i digitalizacija zbog zastarele infrastrukture i zbog podizanja spremnosti za prihvatanje distribuirane proizvodnje.

Ključni kapacitet za prevazilaženje izazova u energetske sektoru je domaća struka koja je raspoređena po elektroenergetskim kompanijama, fakultetima i institutima, agencijama, nevladinom sektoru i u privatnim firmama. Samo sinergijom ukupne stručne javnosti moguće je ostvariti pozitivne pomake u modernizaciji i dekarbonizaciji energetske sektora. Iako se radi na podizanju stručnih kapaciteta mora se to činiti još efikasnije kako nedostatak stručnosti ne bi doveo do izbegavanja rešenja sa novim tehnologijama i prevelikom oprezu u njihovoj upotrebi. U sektoru ima pomaka u visoko profesionalnim sagledavanjima razvojnih opcija tako da i model „izgradi, ostvari profit, prenesi vlasništvo“ postaje realan.

Imajući u vidu sve ove stavove i ceneći energetske nezavisnost kao važan stub buduće energetske politike, u ovom trenutku se čini da budući energetske miks zasnovan isključivo na domaćim resursima (voda, vetar, sunce, biomasa, geotermalni potencijal, energija otpada...), sa razvijenim tehnologijama skladištenja energije (reverzibilne hidroelektrane, baterijske elektrane, upravljanje potrošnjom, itd.) i sa široko razvijenim tehnologijama za primenu zelenog vodonika, nije idealizovana slika energetske budućnosti već obećavajuća tehnološka realnost.

Ovo su pitanja koja će dominirati na međunarodnom savetovanju **ENERGETIKA 2026** i od odgovora na ta pitanja značajno će zavisiti razvoj energetske regiona.

Kopredsednici organizaciono-programskog odbora.

S poštovanjem,



**Prof. dr inž. Milun J. Babić**

Predsednik skupštine Saveza energetičara



**Prof. dr inž. Nikola Rajaković**

Predsednik Saveza energetičara

The financial and economic aspects of the energy transition represent an additional challenge. For a long time, it was considered that the financing of RES projects is the dominant task of private investors, EU funds and citizens, but today it is indisputable that even the big players in the sector must bear a proportional part of the burden in the construction of RES and participate responsibly in this big business. Questions arise: where to find capital for additional stimulation of the use of RES and those entities that consistently and firmly implement energy efficiency and environmental protection programmes? How to ensure that domestic energy does not lose pace with the environment?

On the electricity consumption side, growth is expected in the transport sector and the heating (cooling) sector, in industry and in the computer services sector (data centres, artificial intelligence...) with a new task precisely on the consumption side, which relates to strengthening the flexibility of consumption (active buyers and aggregators). There is a visible seasonal imbalance in consumption - in addition to winter peak loads, summer peak loads are also more pronounced. The number of opportunities on the market is growing: buy cheap - sell expensive, and it is important to use them optimally. In the sector, and especially in the distribution subsystem, modernization and digitization are necessary due to the outdated infrastructure and due to raising the readiness to accept distributed production.

The key capacity for overcoming the challenges in the energy sector is the domestic profession, which is distributed among power companies, faculties and institutes, agencies, the non-governmental sector and in private firms. Only with the synergy of the entire professional public is it possible to achieve positive developments in modernization and decarbonization of the energy sector. Although work is being done to raise the professional capacities, it must be done even more efficiently so that the lack of expertise does not lead to the avoidance of solutions with new technologies and excessive caution in their utilization. There has been an improvement in highly professional views of development options within the sector so that the "build, make profit, transfer ownership" model is becoming realistic.

Bearing in mind all these attitudes and appreciating energy independence as an important pillar of the future energy policy, at this moment it seems that the future energy mix based exclusively on domestic resources (water, wind, sun, biomass, geothermal potential, waste energy...), with developed energy storage technologies (reversible hydroelectric power plants, battery power plants, consumption management, etc.) and with widely developed technologies for the application of green hydrogen, is not an idealized picture of the energy future but a promising technological reality.

These are the questions that will dominate at the international **ENERGY** 2026 symposium, and the development of the energy sector in the region will depend significantly on the answers to these questions.

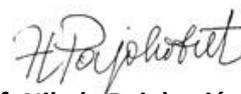
Co-chairmen of the organizational and programme committee.

Regards,



**Prof. Milun J. Babić, DEng**

President of the Assembly of the Association of Energy  
Specialists



**Prof. Nikola Rajaković, DEng**

President of the Association of Energy Specialists

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**Prof. dr Nikola Rajaković**, Predsednik Saveza energetičara, Srbija  
**Prof. dr Milun Babić**, Predsednik Skupštine Saveza energetičara, Srbija

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### Sreda, 15. april 2026 / Wednesday, April 15, 2026

14:00 **REGISTRACIJA UČESNIKA / REGISTRATION**

16:00 **Svečano otvaranje Savetovanja / Opening ceremony**

*Prof. dr Nikola Rajaković*

*Dušan Živković, Generalni direktor, EPS AD, Srbija*

*Umetnički program / Art Program*

16:50 – 17:00 *Pauza / Break*

17:00 – 18:30 **Paralelne sesije / Parallel Sessions 1**

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

##### **OBNOVLJIVI IZVORI ENERGIJE – RENEWABLE ENERGY SOURCES**

Moderator: *dr Iva Batić*

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

##### **KONCEPT I PRAKTIČNA ISKUSTVA UVOĐENJA AGREGATORA U ELEKTROENERGETIKU - INTRODUCTION OF AGGREGATORS IN POWER SYSTEMS CONCEPT AND EXPERIENCE**

Moderator: *Doc. dr Jelena Stojković Terzić*

#### Specijalna sesija / Special Session - Sala / Hall 3

##### **ENERGETSKA EFIKASNOST U SVIM SEKTORIMA FINALNE ENERGIJE - END USER ENERGY EFFICIENCY**

Moderator: *dr Mladen Josijević*

18:30 **Koktel dobrodošlice i dodela zahvalnica sponzorima / Welcome cocktail & Handing acknowledgements to conference sponsors**

20:00 **Pansionska večera / Regular dinner**

### Četvrtak 16. april 2026 / Thursday, April 16, 2026

08:30 **REGISTRACIJA UČESNIKA / REGISTRATION**

09:30 – 10:00 **Razgovor sa generalnim direktorom EPS AD Dušanom Živkovićem / Discussion with a General Manager of EPS - Dušan Živković**

Moderator: *Ružica Vranjković*

10:00 – 11:30 **PANEL 1 - Sala / Hall - Zlatni Bor**

#### **KAKO DO "ZELENOG" REGIONA - NOVI OIE PROJEKTI, ŠANSE DEKARBONIZACIJE**

##### **HOW TO REACH A "GREEN" IN THE REGION - NEW RES PROJECTS, CHANCES OF DECARBONIZATION**

Moderator: *Danijela Isailović, menadžerka Udruženja OIE Srbije / Manager of RES Serbia*

Panelisti / Panelists:

- *Aleksandar Jakovljević, izvršni direktor za investicije i razvoj EPS AD / Executive Manager for Investments and Development of EPS AD*
- *Elektroprivreda Crne Gore – tbc*
- *Elektroprivrede Republike Srpske – tbc*
- *Elektroprivreda Bosne i Hercegovine – tbc*
- *Elektrani na Severna Makedonija – tbc*

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

12:00 – 13:30 **PANEL 2 - Sala / Hall - Zlatni Bor**

**FINASIJSKI IZAZOVI ENERGETSKE TRANZICIJE  
FINANCIAL CHALLENGES OF ENERGY TRANSITION**

Moderator: *Velimir Bešliagić, KPMG Beograd*

Panelisti / Panelists:

- *Ministarstvo finansija Republike Srbije / Ministry of Finance od the Republic of Serbia – tbc*
- *Aleksandar Zlatković, savetnik ministarke rudarstva i energetike / Advisor of the Minister of Mining and Energy*
- *Milan Laković, izvršni direktor za finansije EPS AD / Executive Manager for Finances in EPS AD*
- *Bodin Bulatović, predstavnik Međunarodne finansijske korporacije (IFC) za Srbiju i Zapadni Balkan / IFC Representative for Serbia and Western Balkans*
- *Nikola Stamenković, član Izvršnog odbora Erste banke Srbija / member of the Erste Bank Serbia Executive Board*

13:30 – 14:30 *Pauza za ručak / Lunch break*

14:30 – 16:00 **OKRUGLI STO / ROUND TABLE 1 - Sala / Hall - Zlatni Bor**

**PERSPEKTIVE ENERGETIKE U OČIMA PRIJATELJA I PARTNERA SAVEZA ENERGETIČARA - ENERGY PERSPECTIVES IN THE EYES OF FRIENDS AND PARTNERS OF THE ASSOCIATION OF ENERGY SPECIALISTS**

Moderatori / Moderators: *Željko Marković, prof. dr Milun Babić*

Učesnici / Participants: *Ljubo Mačić, Ervin Leko, Predstavnici sponzorskih kompanija /*

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16:00 – 16:40 **PREZENTACIJA DIJAMANTSKOG SPONZORA  
DIAMOND SPONSOR PRESENTATION**  
Sala / Hall - Zlatni Bor

**PROINTER**  
G R O U P

16:40 – 17:00 *Kafe pauza / Coffee break*

17:00 – 18:30 **Paralelne sesije / Parallel Sessions 2**

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

**DIGITALIZACIJA I ODGOVORNA UPOTREBA PODATAKA U UPRAVLJANJU EES - DIGITALIZATION AND RESPONSIBLE USE OF DATA IN THE MANAGEMENT OF POWER SYSTEMS**

Moderator: *dr Vladimir Bečejac*

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

**PRIVREDA NAFTE, GASA I DRUGIH GORIVA – OIL, GAS, AND OTHER FOSSIL FUELS INDUSTRY**

**PRAKTIČNI ASPEKTI PRIMENE I REALIZACIJE ENERGETSKIH SISTEMA NAPAJANJA – PRACTICAL ASPECTS OF THE**

Moderator: *Prof. dr Dejan Ivezić*

**Specijalna sesija / Special Session - Sala / Hall 3**

**UPRAVLJANJE RIZICIMA U ENERGETICI – RISK MANAGEMENT IN POWER SYSTEMS**

Moderator: *Nebojša Lapčević*

18:30 – 20:00 **Paralelne sesije / Parallel Sessions 3**

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

**PRAKTIČNI ASPEKTI PRIMENE I REALIZACIJE ENERGETSKIH SISTEMA NAPAJANJA – PRACTICAL ASPECTS OF THE APPLICATION AND IMPLEMENTATION OF POWER SUPPLY SYSTEMS**

Moderator: *Prof. dr Željko Despotović*

**Specijalna sesija / Special Session - Sala / Hall – Crni Bor****HIDROENERGETIKA – HYDROENERGY**Moderator: *prof. dr Ivan Božić***Specijalna sesija / Special Session - Sala / Hall 3****SAVREMENI ASPEKTI KORIŠĆENJA TOPLOTNE ENERGIJE – MODERN ASPECTS OF HEAT ENERGY USE**Moderator: *Slobodan Jerotić*20:00 **Pansionska večera / Regular dinner****Petak, 17. april 2026 / Friday, April 17, 2026**08:00 **REGISTRACIJA UČESNIKA / REGISTRATION**09:00 – 09:30 **Predavanje po pozivu / Invited lecture**Moderator: *prof. dr Nikola Rajaković***ACCELERATING GLOBAL RENEWABLE ENERGY TRANSITIONS**

Dr Dmitrij Bogdanov, Un. Lappeenranta, Finland

09:30 – 10:00 **Pauza / Break**10:00 – 11:30 **PANEL 3 - Sala / Hall - Zlatni Bor****OTVORENA VRATA ZA VEŠTAČKU INTELIGENCIJU U ELEKTROENERGETICI****ARTIFICIAL INTELLIGENCE IN POWER SYSTEMS: AN OPENED WINDOW OF OPORTUNITY**Moderator: *prof. dr Aleksandar Rikalović, Institut za veštačku inteligenciju Srbije*

Panelisti / Panelists:

- *Katarina Andrejević, izvršni direktor za informacione tehnologije i digitalizaciju EPS AD / Executive Director for Information Technology and Digitalization of EPS AD*
- *prof. dr Mileta Žarković, Elektrotehnički fakultet, Univerzitet u Beogradu / Faculty of Electrical Engineering in Belgrade*
- *Danilo Savić, direktor Data Cloud Technology*
- *Vladimir Polužanski, rukovodilac Kancelarije za digitalizaciju i primenu veštačke inteligencije, Institut „Nikola Tesla“ / Head of the Office for Digitalization and Application of Artificial Intelligence, Nikola Tesla Institute*
- *Bojan Papić, direktor Instituta „Mihajlo Pupin Automatika“*

11:30 – 12:00 **Kafe pauza / Coffee break**12.00 – 13.30 **PANEL 4 - Sala / Hall - Zlatni Bor****NOVA ENERGETSKA REALNOST - SKLADIŠTA ELEKTIČNE ENERGIJE****NEW ENERGY REALITY - POWER STORAGEES**Moderator: *prof. dr Nikola Rajaković*

Panelisti / Panelists:

- *David Žarković, pomoćnik generalnog direktora za poslove upravljanja elektroenergetskim portfeljom EPS AD / Assistant General Director for Electricity Portfolio Management, EPS AD*
- *Željko Marković, član UO Savez energetičara / member of the Association of Energy Specialist Executive Committee*
- *Dejan Stojčevski, tehnički direktor / technical director - SEEPEX*
- *Marko Janković, direktor za regulatorne i poslove tržišta električne energije CWP Europe / Director of Regulatory and Electricity Market Affairs CWP Europe*
- *Miloš Kostić, generalni direktor MT Komex*

13:30 – 15:00 *Pauza za ručak / Lunch break*

15:00 – 17:00 **Paralelne sesije / Parallel Sessions 4**

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

**MREŽE, POSTROJENJA I OPREMA - NETWORKS, SUBSTATIONS AND EQUIPMENT**

Moderator: *Doc. dr Tomislav Rajić*

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

**SISTEMSKA TRANSFORMACIJA ZGRADA KAO ENERGETSKIH SISTEMA U PROCESU DEKARBONIZACIJE - BUILDINGS ENERGY SYSTEMS TRANSFORMATION IN THE DECARBONIZATION PROCESS**

Moderator: *Prof. dr Miloš Banjac*

**Specijalna sesija / Special Session - Sala / Hall 3**

**EKONOMSKA PERSPEKTIVA ENERGETIKE – ECONOMIC PERSPECTIVES IN ENERGY SECTOR**

Moderator: *Prof. dr Dejan Molnar*

17:00 – 17:30 *Kafe pauza / Coffee break*

17:30 – 19:00 **Paralelne sesije / Parallel Sessions 5**

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

**PREDIKCIJE I DIJAGNOSTIKA U MODERNIM ENERGETSKIM SISTEMIMA - PREDICTIONS AND DIAGNOSTICS IN MODERN ENERGY SYSTEMS**

Moderator: *Prof. dr Mileta Žarković*

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

**TRZIŠTE ELEKTRIČNE ENERGIJE – ELECTRICITY MARKET**

Moderator: *Dunja Grujic*

**Specijalna sesija / Special Session - Sala / Hall 3**

**MEĐUSOBNI UTICAJI: ENERGETIKA, POLJOPRIVREDA, INDUSTRIJA I ŽIVOTNA SREDINA – MUTUAL IMPACTS: ENERGY, AGRICULTURE, INDUSTRY AND ENVIRONMENT**

Moderator: *Prof. dr Petar Đukić*

19:00 – 19:30 **Predavanje po pozivu / Invited lecture**

Moderator: *prof. dr Milun Babić*

**OD TESLINE REZONANTNE ZAVOJNICE DO BIOREZONANTNE KVANTNO – INFORMACIONE MEDICINE: TRAGOM TESLINE KREATIVNOSTI**

**FROM TESLA'S RESONANT COIL TO BIORESONANT QUANTUM INFORMATION MEDICINE: ON THE TRAIL OF TESLA'S CREATIVITY**

*Prof. Dejan Raković*

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

**Subota, 18. april 2026 / Saturday, April 18, 2026**

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

Moderator: *Sandra Alagić*

**MAPA PUTA DEKARBONIZACIJE SEKTORA DALJINSKOG GREJANJA U REPUBLICI SRBIJI**

**ROADMAP FOR THE DECARBONIZATION OF THE DISTRICT HEATING SECTOR IN THE REPUBLIC OF SERBIA**

Prof. Dejan Ivezic, Univerzitet u Beogradu - Rudarsko geološki fakultet

Dejan Stojanović, Poslovno udruženje „Toplane Srbije“

Branislava Lepotić Kovačević, Udruženje za pravo energetike Srbije

09:30 – 10:00 *Kafe pauza / Coffee break*

10:00 – 11:30 **Paralelne sesije / Parallel Sessions 6**

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

**EKONOMSKO – REGULATORNA I RAZVOJNA PITANJA ENERGETSKE TRANZICIJE - ECONOMIC - REGULATORY AND DEVELOPMENT ISSUES OF ENERGY TRANSITION**

Moderator: *dr Ilija Batas Bjelic*

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

**SKLADIŠTENJE ENERGIJE – ENERGY STORAGE**

Moderator: *Doc. dr Tomislav Rajić*

**Specijalna sesija / Special Session - Sala / Hall 3**

**PRAVO ENERGETIKE – ENERGY LAW**

Moderator: *dr Branislava Lepotić Kovačević*

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

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**Sreda, 15. april 2026 / Wednesday, April 15, 2026**

17:00 – 18:30 **Paralelne sesije / Parallel Sessions 1**

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

**OBNOVLJIVI IZVORI ENERGIJE – RENEWABLE ENERGY SOURCES**

Moderator: *dr Iva Batić*

1.1.1 #554

**OPERATIVNA OGRANIČENJA PRI PRIKLJUČENJU OBNOVLJIVIH IZVORA ENERGIJE: REGULATORNI OKVIR I  
MOGUĆNOSTI UNAPREĐENJA U REPUBLICI SRBIJI**

**OPERATIONAL LIMITATIONS IN RENEWABLE ENERGY CONNECTION: REGULATORY FRAMEWORK AND  
IMPROVEMENT OPTIONS IN SERBIA**

*Milica Vukovljak, Ivan Trkulja*

1.1.2 #598

**INTEGRACIJA FOTONAPONSKIH SISTEMA PRILIKOM REKONSTRUKCIJE KOSIH I RAVNIH KROVOVA**

**INTEGRATION OF PHOTOVOLTAIC SYSTEMS IN THE REFURBISHMENT PROCESS OF PITCHED AND FLAT ROOFS**

*Bojana Zeković, Iva Batić*

1.1.3 #556

**EVALUACIJA EFEKATA FLEKSIBILNIH RESURSA NA PRIMJERU IEEE TESTNE MREŽE**

**EVALUATION OF THE EFFECTS OF FLEXIBLE RESOURCES USING AN IEEE TEST NETWORK**

*Jelena Samardžić, Miloš Jelovac, Vladan Durković*

1.1.4 #529

**PROCENA ENERGETSKOG POTENCIJALA VETROELEKTRANA U ŠUMOVITIM REGIONIMA**

**ASSESSMENT OF WIND FARM ENERGY POTENTIAL IN FORESTED REGIONS**

*Vladimir Antušević, Kristina Džodić, Željko Đurišić*

1.1.5 #588

**ANALIZA POKAZATELJA POUZDANOSTI DISTRIBUTIVNOG SISTEMA UZ UVAŽAVANJE PRISUSTVA PROZJUMERA  
SA BATERIJSKIM SKLADIŠTENJEM ENERGIJE**

**ANALYSIS OF DISTRIBUTION SYSTEM RELIABILITY INDICES CONSIDERING THE PRESENCE OF PROSUMERS WITH  
BATTERY ENERGY STORAGE**

*Doroteja Zarev, Jelisaveta Krstivojević*

1.1.6 #632

**ENERGETSKI NEZAVISNE HIBRIDNE MIKROMREŽE SA FOTONAPONSKIM SISTEMIMA, BIOGASNIM AGREGATOM I  
BATERIJSKIM SKLADIŠTEM**

**ENERGY-INDEPENDENT HYBRID MICROGRIDS WITH PHOTOVOLTAIC SYSTEMS, A BIOGAS GENERATOR, AND  
BATTERY ENERGY STORAGE SYSTEM**

*Nikola Bogdanović, Marijan Rančić, Željko Đurišić*

1.1.7 #518

**AGRO-FOTONAPONSKE ELEKTRANE U REPUBLICI SRBIJI**

**AGRO-PHOTOVOLTAIC POWER PLANTS IN THE REPUBLIC OF SERBIA**

*Uroš Gordić, Miloš Bogdanović, Miloš Ječmenica*

1.1.8 #546

**INTEGRACIJA OBNOVLJIVIH IZVORA ENERGIJE, SKLADIŠTENJA ENERGIJE I PROIZVODNJE ZELENOG VODONIKA U INDUSTRIJSKOM ENERGETSKOM SISTEMU**

**INTEGRATION OF RENEWABLE ENERGY SOURCES, ENERGY STORAGE AND GREEN HYDROGEN PRODUCTION IN AN INDUSTRIAL ENERGY SYSTEM**

*Saša Đorđević, Biljana Stekić - Jovanović*

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

**KONCEPT I PRAKTIČNA ISKUSTVA UVOĐENJA AGREGATORA U ELEKTROENERGETIKU - INTRODUCTION OF AGGREGATORS IN POWER SYSTEMS, CONCEPT AND EXPERIENCE**

Moderator: *Doc. dr Jelena Stojković Terzić*

1.2.1 #582

**ULOGA BATERIJSKIH SISTEMA ZA SKLADIŠTENJE ENERGIJE U MODERNIZACIJI ELEKTROENERGETSKIH MREŽA**  
**ROLE OF BATTERY ENERGY STORAGE SYSTEMS IN MODERN POWER GRIDS**

*Sreten Čalasan, Vojislav Stojanović, Milan Stojanović*

1.2.2 #596

**FLEKSIBILNOST I ULOGA AGREGATORA U ENERGETSKOJ TRANZICIJI ELEKTROENERGETSKOG SISTEMA SRBIJE**  
**FLEXIBILITY AND THE ROLE OF AGGREGATORS IN THE ENERGY TRANSITION OF THE SERBIAN POWER SYSTEM**

*Jelisaveta Krstivojević, Jelena Stojković Terzić, Dunja Grujić, Nikola Tošić*

1.2.3 #600

**MOGUĆNOSTI I IZAZOVI ZA RAD AGREGATORA U REPUBLICI SRBIJI**  
**OPPORTUNITIES AND CHALLENGES FOR AGGREGATOR OPERATIONS IN THE REPUBLIC OF SERBIA**

*Dunja Grujić, Nikola Tošić, Jelena Stojković Terzić, Jelisaveta Krstivojević*

1.2.4 #618

**ULOGA AGREGATORA U OBEZBEĐIVANJU FLEKSIBILNOSTI I BALANSIRANJU ELEKTROENERGETSKOG SISTEMA**  
**THE ROLE OF AGGREGATORS IN PROVIDING FLEXIBILITY AND BALANCING SERVICES IN THE POWER SYSTEM**

*Dušan Vučić, Miloš Kuzman, Dunja Grujić*

1.2.5 #601

**PRIMENA IZVEŠTAJNIH SISTEMA U ELEKTROENERGETSKOM SEKTORU**  
**APPLICATION OF REPORTING SYSTEMS IN THE ELECTRIC POWER SECTOR**

*Jovana Nikolić, Dunja Grujić, Dejan Polugić*

1.2.6 #499

**ANALIZA ISPLATIVOSTI INVESTICIJE ZA KUPCE-PROIZVOĐAČE**  
**COST-EFFECTIVENESS ANALYSIS OF THE INVESTMENT FOR BUYERS-MANUFACTURERS**

*Radovan Đorđević, Svetlana Milošević Đorđević*

1.2.7 #510

**UTICAJ DISTRIBUIRANE PROIZVODNJE UZDUŽ NESIMETRIČNO OPTEREĆENOG NISKONAPONSKOG VODA**  
**IMPACT OF DISTRIBUTED GENERATION ALONG AN ASYMMETRICALLY LOADED LOW-VOLTAGE LINE**

*Siniša Spremić, Aleksandar Antonić*

1.2.8 #560

**UTICAJ MALIH SOLARNIH ELEKTRANA IZ PROGRAMA SOLAR 3000+ I 5000+ NA KRATKOROČNO PLANIRANJE POTROŠNJE ELEKTROENERGETSKOG KONZUMA CRNE GORE**

**THE IMPACT OF SMALL SOLAR POWER PLANTS FROM THE SOLAR 3000+ AND 5000+ PROGRAMS ON SHORT-TERM LOAD FORECASTING IN MONTENEGRO**

*Dragutin Gardašević, Andrijana Kaljević, Mirjana Kujović*

**ENERGETSKA EFIKASNOST U SVIM SEKTORIMA FINALNE ENERGIJE - END USER ENERGY EFFICIENCY**

Moderator: *dr Mladen Josijević*

1.3.1 #516

**KA NISKOUGLJENIČNOM ZDRAVSTVENOM SEKTORU: SVEOBUH VATNI PREGLED  
TOWARDS A LOW-CARBON HEALTHCARE SECTOR: A COMPREHENSIVE REVIEW**

*Dušan Gordić, Vladimir Vukašinović, Mladen Josijević, Nebojša Jurišević*

1.3.2 #542

**TERMALNI KOMPLEKSI KAO ENERGETSKI SISTEMI BUDUĆNOSTI ZASNOVANI NA GEOTERMALNIM IZVORIMA  
THERMAL COMPLEXES AS ENERGY SYSTEMS OF THE FUTURE BASED ON GEOTHERMAL SOURCES**

*Aleksandra Trifunac*

1.3.3 #570

**IDENTIFIKACIJA MOGUĆNOSTI ZA UNAPREĐENJE ENERGETSKE EFIKASNOSTI KROZ ANALIZU POTROŠNJE VODE  
TOKOM TUŠIRANJA U DOMAĆINSTVIMA: STUDIJA SLUČAJA  
IDENTIFICATION OF OPPORTUNITIES FOR IMPROVING ENERGY EFFICIENCY THROUGH THE ANALYSIS OF  
SHOWER WATER CONSUMPTION IN HOUSEHOLDS: A CASE STUDY**

*Natalija Aleksić, Vanja Šušteršić, Dušan Gordić, Vladimir Vukašinović, Nebojša Jurišević, Strahinja Milenković*

1.3.4 #573

**ENERGETSKA I EKSERGETSKA ANALIZA BRODSKOG KOTLOVSKOG POSTROJENJA NA LNG POGON SA  
ISKORIŠĆAVANJEM OTPADNE TOPLOTE**

**ENERGY AND EXERGY ANALYSIS OF A MARINE BOILER PLANT FUELED BY LNG WITH WASTE HEAT RECOVERY**  
*Draško Kovač, Jakša Vujović, Sead Cvrk, Đorđe Nedeljkov*

1.3.5 #575

**OPTIMIZACIJA ENERGETSKE EFIKASNOSTI TURBOPUNJAČA VTR 714-32 NA BRODSKOM GLAVNOM MOTORU  
OPTIMISATION OF ENERGY EFFICIENCY OF THE TURBOCHARGER VTR 714-32 ON A SHIP'S MAIN ENGINE**

*Jakša Vujović, Draško Kovač, Sead Cvrk, Đorđe Nedeljkov*

1.3.6 #585

**UTICAJ SNIŽAVANJA GORNJE GRANICE VIŠE TARIFE ELEKTRIČNE ENERGIJE NA SISTEME GREJANJA U  
DOMAĆINSTVIMA  
THE IMPACT OF REDUCING THE UPPER ELECTRICITY TARIFF THRESHOLD ON RESIDENTIAL HEATING SYSTEMS**

*Mladen Josijević, Vladimir Vukašinović, Dušan Gordić, Vanja Šušteršić, Filip Nastić*

1.3.7 #599

**NUMERIČKI PRIKAZ OSLOBAĐANJA ENERGIJE TOKOM DETONACIJE EKSPLOZIVA U KUMULATIVNOM  
PROJEKTILU  
NUMERICAL REPRESENTATION OF ENERGY RELEASE DURING EXPLOSIVE DETONATION IN A CUMULATIVE  
PROJECTILE**

*Anđela Ivković, Mladen Josijević, Jelena Marinković, Danica Bajić, Saša Savić*

1.3.8 #638

**UNAPREĐENJE ENERGETSKE EFIKASNOSTI SISTEMA PUMPI REGULATORSKOG ULJA PRIMENOM FREKVENTNIH  
REGULATORA – STUDIJA SLUČAJA HE PIROT  
IMPROVING ENERGY EFFICIENCY OF THE GOVERNOR OIL PUMP SYSTEM THROUGH THE APPLICATION OF  
VARIABLE FREQUENCY DRIVES – A CASE STUDY OF HPP PIROT**

*Dušan Đorđević, Jovan Ilić, Ana Kitić*

17:00 – 18:30 **Paralelne sesije / Parallel Sessions 2**

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

**DIGITALIZACIJA I ODGOVORNA UPOTREBA PODATAKA U UPRAVLJANJU EES - DIGITALIZATION AND RESPONSIBLE USE OF DATA IN THE MANAGEMENT OF POWER SYSTEMS**

*Moderator: Vladimir Bečejac*

2.1.1 #508

**UPOTREBA MAŠINSKOG UČENJA I NAPREDNIH ALGORITAMA U PLANIRANJU RADA PRENOSNOG SISTEMA  
UTILIZATION OF MACHINE LEARNING AND ADVANCED ALGORITHMS IN TRANSMISSION SYSTEM OPERATION PLANNING**

*Srđan Mladenović, Marija Đorđević, Marija Miljuš, Petar Petrović, Miroslav Vilček, Ana Bukara*

2.1.2 #512

**ZNAČAJ TRANSFORMACIJE NAPONA U TS OBRENOVAC ZA POUZDANOST 110 KV MREŽE U REGIONU BEOGRADA PRI ISPADIMA DALEKOVODA U 400 KV I 220 KV MREŽI I PREDIKTIVNE DISPEČERSKE AKCIJE  
THE IMPORTANCE OF VOLTAGE TRANSFORMATION AT THE SS OBRENOVAC FOR THE RELIABILITY OF THE 110 KV NETWORK IN THE BELGRADE REGION DURING OUTAGES OF TRANSMISSION LINES IN THE 400 KV AND 220 KV NETWORKS AND PREDICTIVE DISPATCHING ACTIONS**

*Miloš Đorđević, Vladimir Bečejac, Milan Trifunović, Stefan Petković, Jovica Vidaković*

2.1.3 #519

**DIGITALIZACIJA PROCESA NABAVKE ELEKTRIČNE ENERGIJE ZA NADOKNADU GUBITAKA U PRENOSNOM SISTEMU  
DIGITALIZATION OF THE ELECTRICITY PROCUREMENT PROCESS FOR LOSS COMPENSATION IN THE TRANSMISSION SYSTEM**

*Ružica Ašanin, Vladimir Bečejac, Aleksandar Vasković*

2.1.4 #547

**PRIMENA NEURALNIH MREŽA ZA PREDIKCIJU STANJA ELEKTROENERGETSKOG SISTEMA  
APPLICATION OF NEURAL NETWORKS FOR SHORT-TERM STATE PREDICTION IN POWER SYSTEMS**

*Jelena Misita, Marija Milovanović, Željana Ristić, Đorđe Čakaravić*

2.1.5 #561

**ROBOTSKA INSPEKCIJA I VERIFIKACIJA DELIMIČNIH PRAŽNENJA TRANSFORMATORA TOKOM FABRIČKIH ISPITIVANJA  
ROBOTIC INSPECTION AND PARTIAL DISCHARGE VERIFICATION OF POWER TRANSFORMERS DURING FACTORY TESTING**

*Filip Rzharov*

2.1.6 #584

**DETEKCIJA FALSE DATA INJECTION NAPADA U PAMETNIM MREŽAMA PRIMENOM MAŠINSKOG UČENJA NA BIG DATA SETOVIMA  
DETECTION OF FALSE DATA INJECTION ATTACKS IN SMART GRIDS USING MACHINE LEARNING ON BIG DATA DATASETS**

*Vladimir Bečejac, Dobrila Škatarić, Petar Lukić*

2.1.7 #586

**UPRAVLJANJE POVERLJIVIM PODACIMA U OPERATIVNOM PLANIRANJU RADA ELEKTROENERGETSKOG SISTEMA EVROPE  
MANAGEMENT OF CONFIDENTIAL DATA IN THE OPERATIONAL PLANNING OF THE EUROPEAN POWER SYSTEM**

*Andrej Tasić, Vladimir Bečejac*

2.1.8 #593

**MALICIOZNI NAPADI NA ESTIMATOR STANJA U DISTRIBUTIVNIM MREŽAMA: ANALIZA IZVODLJIVOSTI NAPADA U USLOVIMA MALE REDUNDANSE MERENJA**

**MALICIOUS ATTACKS ON THE STATE ESTIMATOR IN DISTRIBUTION NETWORKS: ANALYSIS OF ATTACK FEASIBILITY UNDER CONDITIONS OF LOW MEASUREMENT REDUNDANCY**

*Stefan Čubonović, Dragan Ćetenović, Nikola Vojnović, Aleksandar Ranković*

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

**PRIVREDA NAFTE, GASA I DRUGIH GORIVA – OIL, GAS, AND OTHER FOSSIL FUELS INDUSTRY**

Moderator: *Prof. dr Dejan Ivezić*

2.2.1 #522

**ANALIZA MOGUĆNOSTI KORIŠĆENJA NAPUŠTENIH NAFTNIH I GASNIH BUŠOTINA KAO IZVOR TOPLOTNE ENERGIJE U SRBIJI**

**ANALYSIS OF THE POTENTIAL USE OF ABANDONED OIL AND GAS WELLS AS A SOURCE OF THERMAL ENERGY IN SERBIA**

*Marija Ilić, Dušan Danilović, Miroslav Crnogorac, Anastasija Mirjanić, Vesna Karović-Maričić, Lola Tomić*

2.2.2 #524

**OPTIMIZACIJA RADA MEHANIČKIH METODA EKSPLOATACIJE NAFTE I GASA SA ASPEKTA ENERGETSKE EFIKASNOSTI**

**ENERGY-EFFICIENT OPTIMIZATION OF ARTIFICIAL LIFT METHODS IN OIL AND GAS PRODUCTION**

*Anastasija Mirjanić, Dušan Danilović, Vesna Karović-Maričić, Miroslav Crnogorac, Marija Ilić, Lola Tomić*

2.2.3 #526

**MOGUĆNOST PRIMENE TEHNOLOGIJE SKLADIŠTENJA CO<sub>2</sub> IZ ENERGETSKIH OBJEKATA - STUDIJA SLUČAJA**

**THE POSSIBILITY OF APPLYING CO<sub>2</sub> STORAGE TECHNOLOGY ON ENERGY FACILITIES - CASE STUDY**

*Nemanja Aleksić*

2.2.4 #532

**PROIZVODNJA KOMPROMOVANOG PRIRODNOG GASA SA OBJEKATA LEŽIŠTA NIS-A**

**PRODUCTION OF COMPRESSED NATURAL GAS FROM NIS FIELD FACILITIES**

*Velibor Đurić*

2.2.5 #544

**OBAVEZE OPERATORA TRANSPORTNIH I DISTRIBUTIVNIH SISTEMA PRIRODNOG GASA IZ UREDBI O MREŽNIM PRAVILIMA**

**OBLIGATIONS OF NATURAL GAS TRANSMISSION AND DISTRIBUTION SYSTEM OPERATORS ARISING FROM NETWORK CODE REGULATIONS**

*Branka Tubin-Mitrović*

2.2.6 #568

**KORIŠĆENJE OBNOVLJIVIH IZVORA ZA PROIZVODNJU ZELENOG VODONIKA I NJEGOVO SKLADIŠTENJE U ISCRPLJENIM GASNIM LEŽIŠTIMA – PUT KA ENERGETSKOJ SIGURNOSTI I ODRŽIVOM RAZVOJU SRBIJE**

**USING RENEWABLE ENERGY SOURCES FOR GREEN HYDROGEN PRODUCTION AND ITS STORAGE IN DEPLETED GAS FIELDS – A PATH TOWARD ENERGY SECURITY AND SUSTAINABLE DEVELOPMENT OF SERBIA**

*Aleksandar Madžarević, Predrag Jovančić, Miroslav Crnogorac, Nikoleta Aleksić, Filip Miletić*

2.2.7 #521

**PREDIKCIJA TOPLOTNE MOĆI UGLJA TERMoeLEKTRANE “KOSTOLAC B” POMOĆU MODELA MAŠINSKOG UČENJA**

**PREDICTION OF THE HEATING VALUE OF COAL AT THE TPP “KOSTOLAC B” USING MACHINE LEARNING MODELS**

*Aleksandar Milićević, Srđan Belošević, Ivan Tomanović, Nenad Crnomarković, Milić Erić, Zoran Marković, Nikola Živković, Ivan Lazović*

2.2.8 #531

**UTICAJ PROMENE PROTOKA VAZDUHA NA SUŠENJE LIGNITA U FLUIDIZOVANOM SLOJU****INFLUENCE OF AIR FLOW VARIATION ON LIGNITE DRYING IN A FLUIDISED BED***Milić Erić, Zoran Marković, Aleksandar Milićević, Rastko Jovanović, Marija Živković, Ivan Lazović, Nikola Živković***Specijalna sesija / Special Session - Sala / Hall 3****UPRAVLJANJE RIZICIMA U ENERGETICI –RISK MANAGEMENT IN POWER SYSTEMS***Moderator: Nebojša Lapčević*

2.3.1 #612

**PROCES UPRAVLJANJA RIZICIMA U REALIZACIJI INVESTICIONOG PROJEKTA MODERNIZACIJE OPREME VLASINSKIH HE, FINANSIRANOG IZ EU SREDSTAVA****RISK MANAGEMENT PROCESS IN THE IMPLEMENTATION OF THE INVESTMENT PROJECT FOR THE MODERNIZATION OF VLASINSKE HPP EQUIPMENT, FINANCED FROM EU FUNDS***Nebojša Stojićević*

2.3.2 #613

**UPRAVLJANJE RIZICIMA U ELEKTROPRIVREDI SRBIJE****RISK MANAGEMENT IN ELEKTROPRIVREDA SRBIJE***Nebojša Stojićević*

2.3.3 #616

**UPRAVLJANJE RIZICIMA U EPCG AD NIKŠIĆ****RISK MANAGEMENT IN EPCG AD NIKŠIĆ***Snežana Đurović*

2.3.4 #651

**INOVATIVNI PRISTUPI U ODRŽAVANJU DALEKOVODA VISOKOG NAPONA I UPRAVLJANJU RIZICIMA KORIŠĆENJEM ERS (SISTEMA ZA HITNO OBNAVLANJE)****INOVATIVE APPROACHES TO HIGH-VOLTAGE TRANSMISSION LINE MAINTENANCE AND EFFICIENT RISK MANAGEMENT USING ERS (EMERGENCY RESTORATION SYSTEMS)***Nada Curović, Branko Đorđević, Zoran Knežević, Mirko Borović, Nikola Šćekić*

2.3.5 #609

**REKONSTRUKCIJA NAPAJANJA SOPSTVENE POTROŠNJE ELEKTRANE HE ĐERDAP 1 SA OSVRTOM NA POTREBU PRUŽANJA USLUGA USPOSTAVLJANJA PRENOSNOG SISTEMA SRBIJE NAKON RASPADA****RECONSTRUCTION OF THE POWER SUPPLY OF THE OWN CONSUMPTION OF THE HPP ĐERDAP 1 POWER PLANT WITH A FOCUS ON THE NEED TO PROVIDE SERVICES FOR THE ESTABLISHMENT OF THE TRANSMISSION SYSTEM OF SERBIA AFTER THE GRID OUTAGE***Milan Mišić, Slobodan Stamenov, Dragan Nikolić, Miloš Gicić, Dragan Gluvačević, Danijel Pejčić*

2.3.6 #502

**ON THE CATASTROPHY THEORY AND DAM SAFETY - TEORIJA KATASTROFE I SIGURNOST BRANA***Žarko Nestorović*

2.3.7 #654

**STUDIJA RIZIKA INTERNE REVIZIJE U MH ERS - INTERNAL AUDIT RISKS STUDY IN MH ERD****INTERNAL AUDIT RISKS STUDY in MH ERD***Branka Ružević*

2.3.8 #555

**ANALIZA REGULACIJE FREKVENCIJE ELEKTROENERGETSKOG SUSTAVA PRIMJENOM ACE POKAZATELJA U UVJETIMA POVEĆANE INTEGRACIJE OIE****ANALYSIS OF POWER SYSTEM FREQUENCY REGULATION USING THE ACE INDICATOR UNDER CONDITIONS OF INCREASED RENEWABLE ENERGY INTEGRATION***Karlo Koščak*

**Specijalna sesija / Special Session - Sala / Hall - Zlatni Bor****PRAKTIČNI ASPEKTI PRIMENE I REALIZACIJE ENERGETSKIH SISTEMA NAPAJANJA – PRACTICAL ASPECTS OF THE APPLICATION AND IMPLEMENTATION OF POWER SUPPLY SYSTEMS**

Moderator: *Prof. dr Željko Despotović*

## 3.1.1 #513

**PROJEKTOVANJE I REALIZACIJA SISTEMA BATERIJSKOG SKLADIŠTA ELEKTRIČNE ENERGIJE SNAGE 500KW I KAPACITETA 1075KWH  
DESIGN AND IMPLEMENTATION OF BATTERY ENERGY STORAGE SYSTEM (BESS) WITH 500KW POWER AND 1075KWH CAPACITY**

*Miodrag Vuković, Željko V. Despotović, Manojlo Šoškić, Stanko Vuković*

## 3.1.2 #520

**IMPLEMENTACIJA KOREKTORA FAKTORA SNAGE U SKLOPU NAPAJANJA ELEKTROMAGNETNOG POGONA REZONANTNOG VIBRACIONOG TRANSPORTERA  
IMPLEMENTATION OF THE POWER FACTOR CORRECTOR AS PART OF THE POWER SUPPLY OF THE ELECTROMAGNETIC DRIVE OF THE RESONANT VIBRATORY TRANSPORTER**

*Uroš Ilić, Željko V. Despotović*

## 3.1.3. #538

**KONCEPTI NAPAJANJA ELEKTROLIZNIH STANICA I PROIZVODNJE VODONIKA ZA POTREBE ELEKTROPRIVREDE SRBIJE  
POWER SUPPLY CONCEPTS FOR ELECTROLYSIS PLANTS AND HYDROGEN PRODUCTION FOR THE NEEDS OF THE ELECTRIC POWER INDUSTRY OF SERBIA**

*Nikola Kovačević*

## 3.1.4 #557

**OFF GRID NAPAJANJE HIDROMETEOROLOŠKIH STANICA U SISTEMU ZA PRIKUPLJANJE I MONITORING HIDROMETEOROLOŠKIH PODATAKA DUŽ REKA DUNAV I SAVA U REPUBLICI SRBIJI  
OFF GRID POWER SUPPLY OF HYDRO METEOROLOGICAL STATIONS IN THE SYSTEM FOR COLLECTING AND MONITORING OF HYDRO METEOROLOGICAL DATA ALONG THE DANUBE AND SAVA RIVERS IN THE REPUBLIC OF SERBIA**

*Željko V. Despotović, Marko Tajdić, Marko Ristić, Marko Batić*

## 3.1.5 #564

**RAZVOJ I IMPLEMENTACIJA MREŽA HIDROMETEOROLOŠKIH STANICA DUŽ REKA DUNAV I SAVA U REPUBLICI SRBIJI  
DEVELOPMENT AND IMPLEMENTATION OF NETWORKS OF HYDRO METEOROLOGICAL STATIONS ALONG THE DANUBE AND SAVA RIVERS IN THE REPUBLIC OF SERBIA**

*Marko Ristić, Marko Batić, Marko Tajdić, Željko V. Despotović, Aleksandra Ružić, Dragan Mićević*

## 3.1.6 #565

**PRENAPONSKA ZAŠTITA DC BRZIH PUNJAČKIH STANICA ZA ELEKTRIČNE AUTOMOBILE INSTALIRANIH NA BENZINSKIM PUMPAMA  
OVER-VOLTAGE PROTECTION OF DC FAST CHARGING STATIONS FOR ELECTRIC CARS INSTALLED AT GAS STATIONS**

*Milan Đerić, Miloš Kostić, Željko V. Despotović*

## 3.1.7 #591

**ANALIZA MODELA GRADIJENTNOG POJAČAVANJA ZA PROGNOZIRANJE PROIZVODNJE ELEKTRIČNE ENERGIJE IZ FOTONAPONSKE ELEKTRANE SNAGE 8 MW  
ANALYSIS OF GRADIENT BOOSTING MODELS FOR FORECASTING ELECTRICAL ENERGY PRODUCTION FROM AN 8 MW PHOTOVOLTAIC POWER PLANT**

*Milan Jović, Đorđe Petrović, Milutin Petronijević*

3.1.8 #648

**BESPREDKIDNA NAPAJANJA U ELEKTRODISTRIBUTIVNIM SISTEMIMA  
UNINTERRUPTIBLE POWER SUPPLIES IN POWER DISTRIBUTION SYSTEMS***Srđan Milićević*

3.1.9 #589

**PROJEKAT TESTIRANJA RADA SOLARNE ELEKTRANE SNAGE 387KW SA DALJINSKIM UPRAVLJANJEM OD  
ELEKTRODISTRIBUCIJE SRBIJE****THE PROJECT OF TESTING OF WORK OF PV PLANT 387KW WITH THE REMOTE CONTROL FROM POWER  
DISTRIBUTION COMPANY SERBIA***Miodrag Vuković, Željko V. Despotović***Specijalna sesija / Special Session - Sala / Hall – Crni Bor****HIDROENERGETIKA – HYDROENERGY***Moderator: prof. dr Ivan Božić*

3.2.1 #517

**ISPITIVANJA SEGMENTA GORNJEG PRSTENA USMERNOG APARATA AGREGATA A6 NA HE ĐERDAP 1 U CILJU  
DONOŠENJA ODLUKE O ŠKARTIRANJU ILI REVITALIZACIJI****TESTING OF SEGMENTS OF THE UPPER RING OF THE DIRECTIONAL APPARATUS OF THE A6 AGGREGATE AT HPP  
ĐERDAP 1 IN ORDER TO MAKE A DECISION ON SCRAPPING OR REVITALIZATION***Vujadin Aleksić, Srđan Bulatović, Zorica Kovačević, Bojana Zečević*

3.2.2 #549

**ULOGA HE U ELEKTROENERGETSKOM SISTEMU REPUBLIKE SRBIJE - EFEKTI REKONSTRUKCIJE I POVEĆANJA  
SNAGE HE****THE ROLE OF HPPS IN THE REPUBLIC OF SERBIA ELECTRIC POWER SYSTEM - EFFECTS OF HPP REHABILITATION  
AND POWER INCREASE***Todora Lazić, Nenad Lazić, Zdravko Stojanović, Marija Milić, Ljiljana Milicanović*

3.2.3 #578

**RHE ZVORNIK: HIDROENERGETSKI POTENCIJAL I ODRŽIVI RAZVOJ****PUMPED-STORAGE HYDROPOWER PLANT ZVORNIK: HYDROPOWER POTENTIAL AND SUSTAINABLE  
DEVELOPMENT***Marko Krstić*

3.2.4 #581

**ODREĐIVANJE REŽIMA RADA BUDUĆE RHE „BISTRICA“ U ZAVISNOSTI OD NIVOVA USKLAĐENOSTI HIDROLOŠKIH,  
ENERGETSKIH I CENOVNIH PRILIKA****DETERMINATION OF THE OPERATING MODES OF THE FUTURE PS HPP "BISTRICA" DEPENDING ON THE LEVEL OF  
COMPLIANCE OF HYDROLOGICAL, ENERGY AND PRICE CONDITIONS***Vladimir Šiljkut, Dragan Surudžić, Dušan Petrović, Mileta Đurković, Nikola Rajaković*

3.2.5 #590

**INŽENJERSKA PRAKSA I REŠENJA ZA PREVAZILAŽENJE POGONSKIH PROBLEMA KOD STARIH I NOVIH  
HIDRAULIČNIH ZATVARAČA RADI BUDUĆEG SVEUKUPNOG POVEĆANJA POUZDANOSTI****ENGINEERING PRACTICE SOLUTIONS TO OVERCOME OPERATING ISSUES OF OLD AND NEW HYDRAULIC GATES  
FOR FUTURE OVERALL INCREASED RELIABILITY***Filip Stojkovski*

3.2.6 #615

**ANALIZA STANJA NAPONA VRATILA NAKON ZAVRŠETKA KAPITALNOG REMONTA NA AGREGATU A6 2025  
GODINE, U HE "ĐERDAP 1"****ANALYSIS OF THE SHAFT VOLTAGE STATE AFTER THE COMPLETION OF THE CAPITAL OVERHAUL ON UNIT A6 IN  
2025, AT HPP "ĐERDAP 1"***Milan Mišić, Dragan Nikolić, Miloš Gicić, Dragan Gluvačević, Žarko Nestorović, Petar Nikolić, Slobodan Stamenov*

3.2.7 #647

**ENERGETSKO EKOLOŠKA OPTIMIZACIJA EKSPLOATACIJE HIDROENERGETSKOG SISTEMA – DEO I  
SREDNJEROČNA OPTIMIZACIJA****ENERGY AND ECOLOGY OPTIMIZATION OF HYDROPOWER SYSTEM EXPLOITATION - PART I MID-TERM  
OPTIMIZATION***Aleksandar Gajić, Žarko Vasojević, Gojko Bajić, Radomir Mitrović, Jelena Đokić, Ljubisav Krsmanović*

3.2.8 #650

**ENERGETSKO EKOLOŠKA OPTIMIZACIJA EKSPLOATACIJE HIDROENERGETSKOG SISTEMA – DEO II  
KRATKOROČNA OPTIMIZACIJA****ENERGY AND ECOLOGY OPTIMIZATION OF HYDROPOWER SYSTEM EXPLOITATION- PART II SHORT-TERM  
OPTIMIZATION***Aleksandar Gajić, Ljubisav Krsmanović, Žarko Vasojević, Gojko Bajić, Jelena Đokić***Specijalna sesija / Special Session - Sala / Hall 3****SAVREMENI ASPEKTI KORIŠĆENJA TOPLOTNE ENERGIJE – MODERN ASPECTS OF HEAT USE***Moderator: Slobodan Jerotić*

3.3.1 #539

**VALORIZACIJA BIOOTPADATA KROZ KONVERZIJU U ENERGIJU - ODRŽIVOST I EKONOMSKI UTICAJI  
VALORIZATION OF BIOWASTE THROUGH ENERGY CONVERSION - SUSTAINABILITY AND ECONOMIC IMPACTS***Miroslav Kljajić, Đorđije Doder, Mladen Tomić*

3.3.2 #501

**MULTISENZORSKO PROSTORNO MAPIRANJE ENERGETSKIH GUBITAKA U URBANIM SREDINAMA: DOKAZ KONCEPTA  
MULTISENSOR SPATIAL MAPPING OF ENERGY LOSSES IN URBAN ENVIRONMENTS: PROOF OF CONCEPT***Aleksandar Peulić, Srećko Ćurčić*

3.3.3 #602

**SIMULATIONS OF CONTAMINANT DISPERSION FROM ACCIDENTAL RELEASES IN CITIES: A CFD APPROACH***Mahir Hafizović; Muhamed Hadžiabdić; Bojan Ničeno*

3.3.4 #645

**PREDIKTIVNA ANALIZA UŠTEDA ENERGIJE NAKON ENERGETSKE SANACIJE ZGRADA PRIKLJUČENIH NA SISTEME  
DALJINSKOG GREJANJA****PREDICTIVE ANALYSIS OF ENERGY SAVINGS IN ENERGY-RENOVATED BUILDINGS CONNECTED TO DISTRICT  
HEATING SYSTEMS***Đorđe Karić*

3.3.5 #515

**PRORAČUN ENERGETSKE EFIKASNOSTI PRIMENOM METODA DALJINSKE DETEKCIJE I GIS- A  
ENERGY EFFICIENCY CALCULATION USING REMOTE SENSING AND GIS METHODS***Milislav Tomić, Branislav Pajić, Miodrag Tomić, Rade Stanojević, Miodrag Đurović*

3.3.6 #644

**POTENCIJAL ZA SMANJENJE POTROSNJE ENERGIJE I EMISIJE KOD SISTEMA ODVLAŽIVANJA U LEDENIM  
DVORANAMA: STUDIJA SLUČAJA DESIKANTNIH ODVLAŽIVAČA NA PRIRODNI GAS I CO TOPLOTNIH PUMPI KAO  
ALTERNATIVNOG REŠENJA****ENERGY AND EMISSIONS REDUCTION POTENTIAL OF ICE ARENA DEHUMIDIFICATION SYSTEMS: A CASE STUDY  
OF NATURAL GAS DESICCANT UNITS AND CO HEAT PUMP ALTERNATIVES***Dimitrije Manić, Mirko Komatina*

3.3.7 #530

**PLITKA GEOTERMALNA ENERGIJA U DUNAVSKOM REGIONU – PRIORITETI I MERE ZA SRBIJU  
SHALLOW GEOTHERMAL IN THE DANUBE REGION: SERBIA'S PRIORITIES AND ACTIONS***Davor Končalović, Vladimir Vukašinović, Dušan Gordić, Mladen Josijević, Filip Nastić, Dubravka Živković*

3.3.8 #551

**ANALIZA UTICAJA PASIVNIH MJERA NA ENERGETSKU EFIKASNOST OBJEKTA U CRNOJ GORI PRIMJENOM PAKETA ENERGY +**

**ANALYSIS OF THE IMPACT OF PASSIVE MEASURES ON THE ENERGY EFFICIENCY OF BUILDINGS IN MONTENEGRO USING THE ENERGY + PACKAGE**

*Jakša Draganić, Boris Hrnčić, Esad Tombarević, Igor Vušanović*

**Petak, 17. april 2026 / Friday, April 17, 2026**

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

Moderator: *prof. dr Nikola Rajaković*

**ACCELERATING GLOBAL RENEWABLE ENERGY TRANSITIONS**

Dr Dmitrij Bogdanov, Un. Lappeenranta, Finland

13:30 – 15:00 *Pauza za ručak / Lunch break*

15:00 – 17:00 **Paralelne sesije / Parallel Sessions 4**

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

**MREŽE, POSTROJENJA I OPREMA - NETWORKS, SUBSTATIONS AND EQUIPMENT**

Moderator: *Doc. dr Tomislav Rajić*

4.1.1 #503

**ANALIZA MOGUĆNOSTI PRIMJENE PSO ALGORITMA ZA DUGOROCNU PROGNOZU POTROŠNJE ELEKTRICNE ENERGIJE ZA POTREBE RADA ELEKTRODISTRIBUTIVNOG SISTEMA REGIONA 5**

**ANALYSIS OF THE POSSIBILITY OF APPLYING THE PSO ALGORITHM FOR THE LONG-TERM FORECAST OF ELECTRICITY CONSUMPTION FOR THE NEEDS OF THE ELECTRICITY DISTRIBUTION SYSTEM OF REGION 5**

*Jelena Papović, Snežana Čučković*

4.1.2 #507

**TEHNO-EKONOMSKA ANALIZA POSTAVLJANJA DISTRIBUIRANIH IZVORA, REKONFIGURACIJE I OTOČNE KOMPENZACIJE U RAZGRANATOJ DISTRIBUTIVNOJ MREŽI SA POSEBNIM OSVRTOM NA ULAZNI FAKTOR SNAGE MREŽE**

**TECHNO-ECONOMIC ANALYSIS OF DG UNIT PENETRATION, RECONFIGURATION AND CAPACITOR PLACEMENT IN LARGE SCALE DISTRIBUTION NETWORK WITH SPECIAL REGARD TO INPUT POWER FACTOR**

*Branko Stojanović, Tomislav Rajić, Darko Šošić*

4.1.3 #509

**ADAPTIVE OVERCURRENT PROTECTION IN INVERTER-DOMINATED MICROGRIDS CONSIDERING FAULT RIDE-THROUGH AND DYNAMIC OPERATING MODES**

*Aleksej Žilović, Luka Strezoski, Chad Abbey*

4.1.4 #511

**PRIMENA MAŠINSKOG UČENJA U KRATKOROČNOJ PROGNOZI POTROŠNJE U DISTIBUCIJI ELEKTRIČNE ENERGIJE**

**APPLICATION OF MACHINE LEARNING IN SHORT-TERM CONSUMPTION FORECASTING IN ELECTRICITY DISTRIBUTION.**

*Stevan Božić*

4.1.5 #545

**SAVREMENE DIMENZIJE MODELA ZA ANALIZU ENERGETSKE BEZBEDNOSTI**

**CONTEMPORARY DIMENSIONS OF MODELS FOR ENERGY SECURITY ANALYSIS**

*Nenad Novković*

4.1.6 #594

**MODELOVANJE PROSTIRANJA I LOCIRANJE IZVORA SIGNALA PARCIJALNIH PRAŽNENJA PRI RAZLIČITIM OPSEZIMA UČESTANOSTI POBUDE U ENERGETSKOM TRANSFORMATORU KORIŠĆENJEM UHF METODE**  
**MODELLING PROPAGATION AND LOCATING THE SOURCE OF PARTIAL DISCHARGE SIGNALS AT DIFFERENT EXCITATION FREQUENCY RANGES IN A POWER TRANSFORMER USING THE UHF METHOD**

*Đorđe Dukanac*

4.1.7 #595

**UNAPREĐENJE TAČNOSTI PROVERE REGISTARA ELEKTRIČNE ENERGIJE PAMETNIH BROJILA KORIŠĆENJEM NOVOG POSTUPKA**  
**IMPROVING THE ACCURACY OF CHECKING ELECTRICITY REGISTERS OF SMART METERS USING A NEW PROCEDURE**

*Đorđe Dukanac*

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

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**SISTEMSKA TRANSFORMACIJA ZGRADA KAO ENERGETSKIH SISTEMA U PROCESU DEKARBONIZACIJE –**  
**BUILDINGS ENERGY SYSTEMS TRANSFORMATION IN THE DECARBONIZATION PROCESS**

Moderator: *Prof. dr Miloš Banjac*

4.2.1 #619

**TEHNOEKONOMSKA ANALIZA KOMPRESIONOG I APSORPCIONOG SISTEMA ZA SOLARNO HLAĐENJE**  
**TECHNO-ECONOMIC ASSESSMENT OF COMPRESSION AND ABSORPTION SYSTEMS FOR SOLAR-DRIVEN COOLING**

*Marija Vasilev, Branislav Petrović, Miloš Banjac*

4.2.2 #621

**MATEMATIČKI MODELI TERMO-ENERGETSKOG PONAŠANJA ZGRADA**  
**MATHEMATICAL MODELS OF BUILDING THERMAL-ENERGY BEHAVIOUR**

*Miloš Banjac, Sandra Kovačević, Branislav Petrović, Mirko Komatina*

4.2.3 #622

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

*Miloš Banjac, Branislav Petrović, Srđan Otović*

4.2.4 #620

**EKSPERIMENTALNO ODREĐIVANJE DINAMIČKIH TERMIČKIH SVOJSTAVA ZGRADE**  
**EXPERIMENTAL DETERMINATION OF THE DYNAMIC THERMAL PROPERTIES OF A BUILDING**

*Miloš Banjac, Sandra Kovačević*

4.2.5 #634

**ANALIZA POSTOJEĆEG STANJA I RAZVOJNI POTENCIJALI SISTEMA DALJINSKOG GREJANJA U SRBIJI**  
**ANALYSIS OF THE CURRENT STATE AND DEVELOPMENT POTENTIAL OF DISTRICT HEATING SYSTEMS IN SERBIA**

*Danijela Srečković, Mirko Komatina, Miloš Banjac*

4.2.6 #635

**PREGLED MOGUĆNOSTI I OGRANIČENJA PRIMENE PETE GENERACIJE DALJINSKOG GREJANJA I HLAĐENJA U ENERGETSKOM SISTEMU REPUBLIKE SRBIJE**  
**A REVIEW OF THE OPPORTUNITIES AND LIMITATIONS OF IMPLEMENTING FIFTH-GENERATION DISTRICT HEATING AND COOLING IN THE ENERGY SYSTEM OF THE REPUBLIC OF SERBIA**

*Mina Mirović, Mirko Komatina, Miloš Banjac*

4.2.7 #637

**ENERGETSKI I EKOLOŠKI ASPEKTI RETROFITA ZGRADA**  
**ENERGY AND ENVIRONMENTAL ASPECTS OF BUILDING RETROFITS**

*Sandra Kovačević, Mirko Komatina, Miloš Banjac*

4.3.1 #569

**OPOREZIVANJE UGLJENIKA KAO ALAT KLIMATSKE POLITIKE: MOGUĆE IMPLIKACIJE ZA SRBIJU I ZAPADNI BALKAN**

**CARBON PRICING AS A CLIMATE POLICY INSTRUMENT: POTENTIAL IMPLICATIONS FOR SERBIA AND THE WESTERN BALKANS**

*Nemanja Lojanica, Dejan Molnar*

4.3.2 #572

**SAVREMENI PRISTUPI MODELIRANJU EKONOMSKIH PROCESA U ENERGETSKOM SEKTORU**

**CONTEMPORARY APPROACHES TO MODELING ECONOMIC PROCESSES IN THE ENERGY SECTOR**

*Nemanja Backović*

4.3.3 #536

**INTEGRACIJA EKOLOŠKIH I EKONOMSKIH ASPEKATA ODRŽIVOG UPRAVLJANJA OTPADNIM VODAMA U SRBIJI**  
**INTEGRATING ENVIRONMENTAL AND ECONOMIC ASPECTS OF SUSTAINABLE WASTEWATER MANAGEMENT IN SERBIA**

*Milica Radojković, Milena Rikalović*

4.3.4 #630

**UTICAJ VOLATILNOSTI CENA ELEKTRIČNE ENERGIJE NA INVESTICIJE U OBNOVLJIVE IZVORE (OIE)**

**THE IMPACT OF ELECTRICITY PRICE VOLATILITY ON INVESTMENTS IN RENEWABLE ENERGY SOURCES (RES)**

*Marko Vučković, Milica Vujisić*

4.3.5 #631

**EKONOMSKA ISPLATIVOST BATERIJSKIH SISTEMA ZA SKLADIŠTENJE ENERGIJE U USLOVIMA VISOKE VOLATILNOSTI TRŽIŠTA ELEKTRIČNE ENERGIJE**

**ECONOMIC VIABILITY OF BATTERY ENERGY STORAGE SYSTEMS UNDER HIGH ELECTRICITY MARKET VOLATILITY**

*Marko Vučković, Milica Vujisić*

4.3.6 #626

**ANALIZA STEPENA RAZVIJENOSTI CIRKULARNE EKONOMIJE U ZEMLJAMA CENTRALNE I ISTOČNE EVROPE**

**THE ANALYSIS OF CIRCULAR ECONOMY DEVELOPMENT IN CENTRAL AND EASTERN EUROPEAN COUNTRIES**

*Đorđe Mitrović, Đorđe Kotarac*

4.3.7 #628

**EKONOMSKI RAST I ZAGAĐENJE VAZDUHA: EMPIRIJSKA ANALIZA NA SUBREGIONALNOM (NUTS 3) NIVOU U EU**  
**THE RELATIONSHIP BETWEEN ECONOMIC GROWTH AND AIR POLLUTION: EMPIRICAL EVIDENCE FROM NUTS 3 REGIONS IN EUROPEAN UNION**

*Sonja Josipović, Dejan Molnar, Bojan Baškot*

4.3.8 #629

**ENERGETSKA BEZBEDNOST, OBRASCI FINALNE POTROŠNJE ENERGIJE I JAZOVI U ENERGETSKOJ PRODUKTIVNOSTI: DOKAZI O STRUKTURNIM RANJIVOSTIMA U EKONOMIJAMA JUGOISTOČNE EVROPE**  
**ENERGY SECURITY, FINAL ENERGY CONSUMPTION PATTERNS AND ENERGY PRODUCTIVITY GAPS: EVIDENCE OF STRUCTURAL VULNERABILITIES IN SOUTHEAST EUROPE ECONOMIES**

*Aleksandra Prašćević, Milutin Ješić*

4.3.9 #580

**UNAPREĐENJE ENERGETSKE EFIKASNOSTI KOMPONENTI VODNIH HIDRAULIČKIH SISTEMA U OKVIRU ODRŽIVIH ENERGETSKIH POSTROJENJA**

**IMPROVING THE ENERGY EFFICIENCY OF WATER HYDRAULIC SYSTEM COMPONENTS WITHIN SUSTAINABLE ENERGY PLANTS**

*Nenad Todić, Slobodan Savić, Blaža Stojanović, Saša Milojević*

17:00 – 17:30 *Kafe pauza / Coffee break*

17:30 – 19:00 **Paralelne sesije / Parallel Sessions 5**

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

**PREDIKCIJE I DIJAGNOSTIKA U MODERNIM ENERGETSKIM SISTEMIMA - PREDICTIONS AND DIAGNOSTICS IN MODERN ENERGY SYSTEMS**

Moderator: *Prof. dr Mileta Žarković*

5.1.1 #577

**METODE OPTIMIZACIJE I PRIMENE VEŠTAČKE INTELIGENCIJE U EFIKASNOJ INTEGRACIJI VEHICLE-TO-GRID SISTEMA**

**OPTIMIZATION FRAMEWORKS AND ARTIFICIAL INTELLIGENCE APPLICATIONS FOR EFFICIENT VEHICLE-TO-GRID INTEGRATION**

*Luka Zoroje, Doroteja Zarev, Balša Čeranić, Predrag Stefanov, Jelena Stojković Terzić, Lepasava Ristić, Andrea Bonfiglio*

5.1.2 #500

**ZAŠTITA KRITIČNE INFRASTRUKTURE (KI) U ERI NOVIH TEHNOLOGIJA I SVEST O BEZBIJEDNOSTI U OKRUŽENJIMA VEZANIM ZA OPERATIVNE TEHNOLOGIJE (OT)**

**PROTECTION OF CRITICAL INFRASTRUCTURE (CI) IN THE ERA OF NEW TECHNOLOGIES AND SECURITY AWARENESS IN OPERATIONAL TECHNOLOGY (OT) ENVIRONMENTS**

*Dragan Rikić, Milkica Petrović Rikić, Tihomir Dabović, Željko Marković, Gordana Đerić, Goran Gajić*

5.1.3 #535

**NAPREDNA DIJAGNOSTIKA STANJA VETROPARKOVA**

**ADVANCED DIAGNOSTICS OF WIND FARM CONDITIONS**

*Jelena Balšić, Mileta Žarković*

5.1.4 #562

**DUGOROČNA PROCJENA VJETROENERGETSKOG POTENCIJALA PRIMJENOM MCP METODE**

**LONG-TERM WIND RESOURCE ASSESSMENT USING MCP METHOD**

*Ana Dubljević, Vidosava Vilotijević, Uroš Karadžić*

5.1.5 #607

**PREDVIĐANJE DOTOKA VODE ZA POTREBE PROIZVODNJE HIDROELEKTRIČNE ENERGIJE PRIMENOM KALMAN FILTERA**

**ON THE PEDICTION OF WATER FLOW FOR THE PURPOSE OF HYDROELECTRICTY PRODUCTION BY KALMAN FILTER**

*Žarko Nestorović, Mirko Pavić*

5.1.6 #592

**NUMERIČKA SIMULACIJA GRANIČNIH SLOJEVA NA ROTIRAJUĆIM STAKLENIM DISKOVIMA U VODI**

**NUMERICAL SIMULATION OF BOUNDARY LAYERS ON ROTATING GLASS DISKS IN WATER**

*Matej Fike, Andraž Roger*

5.1.7 #550

**ANALIZA OPRAVDANOSTI ULAGANJA DOMAĆINSTVA U SOLARNU ELEKTRANU I TOPLOTNU PUMPU U ODNOSU NA ULAGANJE U OSTALE SISTEME I NJIHOVO KORIŠĆENJE ENERGENATA**

**ANALYSIS OF THE JUSTIFICATION OF HOUSEHOLD INVESTMENT IN SOLAR POWER PLANT AND HEAT PUMP IN RELATION TO INVESTMENT IN OTHER SYSTEMS AND THEIR USE OF ENERGY**

*Zoran Simendić, Dalibor Mraović, Ivana Mraović Simendić*

5.1.8 #571

**ANALIZA UTICAJA INTEGRACIJE FOTONAPONSKE ELEKTRANE NA ELEKTROENERGETSKI SISTEM**

**ANALYSIS OF THE IMPACT OF PHOTOVOLTAIC POWER PLANT INTEGRATION ON THE POWER SYSTEM**

*Željana Ristić, Mileta Žarković*

5.2.1 #528

**PRAVILA O PRUŽANJU NEFREKVENCIJSKIH USLUGA U DISTRIBUTIVNOM SISTEMU ELEKTRIČNE ENERGIJE U CRNOJ GORI - REGULATORMI OKVIR I MOGUĆNOSTI PRAKTIČNE PRIMJENE**

**RULES ON THE PROVISION OF NON-FREQUENCY SERVICES IN THE ELECTRICITY DISTRIBUTION SYSTEM OF MONTENEGRO - REGULATORY FRAMEWORK AND POSSIBILITIES FOR PRACTICAL IMPLEMENTATION**

*Andrija Vujović, Aleksandar Iković, Stevan Živković, Mihailo Nikolić*

5.2.2 #603

**POVEZIVANJE TRŽIŠTA, MREŽE I KORISNIKA KROZ DIGITALNU ORKESTRACIJU FLEKSIBILNOSTI**

**CONNECTING MARKETS, GRIDS AND MARKET PARTICIPANTS THROUGH DIGITAL FLEXIBILITY ORCHESTRATION**

*Ivan Špagnut, Vanja Ožegović*

5.2.3 #604

**PRIMJENA MODERNE PORTFOLIO TEORIJE U OPTIMIZACIJI PORTFOLIJA OBNOVLJIVIH IZVORA ENERGIJE**

**APPLICATION OF MODERN PORTFOLIO THEORY IN OPTIMIZATION OF RENEWABLE ENERGY PORTFOLIOS**

*Miroslav Divčić, Mladen Apostolović*

5.2.4 #608

**INTEGRACIJA BATERIJSKIH SISTEMA ZA SKLADIŠTENJE ENERGIJE U SRBIJI I OPERATIVNI RIZICI**

**INTEGRATION OF BATTERY ENERGY STORAGE SYSTEMS IN SERBIA AND OPERATIONAL RISKS**

*Pavle Radojević*

5.2.5 #636

**PPA UGOVORI KAO PODRŠKA ENERGETSKOJ TRANZICIJI**

**PPAS AS A SUPPORT FOR THE ENERGY TRANSITION**

*Ivana Đurović, Dušan Vučić, Miloš Kuzman, Dunja Grujić*

5.2.6 #639

**UZROCI I EFEKTI POMERANJA GRANICE CRVENE ZONE POTROŠNJE SA 1.600 KWH NA 1.200 KWH U SISTEMU GARANTOVANOG SNABDEVANJA ELEKTRIČNOM ENERGIJOM**

**CAUSES AND EFFECTS OF SHIFTING THE RED CONSUMPTION ZONE THRESHOLD FROM 1.600 KWH TO 1.200 KWH IN THE REGULATED ELECTRICITY SUPPLY SYSTEM**

*Jadranka Ristić*

5.2.7 #649

**OPERATIVNI UTICAJ ODSUPANJA IZMEĐU PROGNOZIRANE I REALIZOVANE PROIZVODNJE VETROELEKTRANA NA ANGAŽOVANJE PROIZVODNIH KAPACITETA EPS-A – STUDIJA KARAKTERISTIČNIH SLUČAJEVA**

**OPERATIONAL IMPACT OF DEVIATIONS BETWEEN FORECASTED AND ACTUAL WIND POWER GENERATION ON THE DISPATCH OF EPS GENERATION CAPACITIES – A CHARACTERISTIC CASE STUDY**

*Vladimir Brković, Stefan Milanović, Aleksandar Fasujević*

5.2.8 #655

**ISPLATIVOST MODELA AKTIVNOG KUPCA SA SOLARNOM ELEKTRANOM I SKLADIŠTENJEM ENERGIJE**

**PROFITABILITY OF THE ACTIVE CUSTOMER MODEL WITH SOLAR POWER PLANT AND ENERGY STORAGE**

*Miodrag Vuković*

**MEĐUSOBNI UTICAJI: ENERGETIKA, POLJOPRIVREDA, INDUSTRIJA I ŽIVOTNA SREDINA – MUTUAL IMPACTS: ENERGY, AGRICULTURE, INDUSTRY AND ENVIRONMENT**

Moderator: *Petar Đukić*

5.3.1 #525

**APPLICATION OF LIFE CYCLE ASSESSMENT FOR ASSESSING THE HOURLY ENVIRONMENTAL IMPACT OF ELECTRICITY GENERATION: A SERBIA AND SLOVENIA CASE STUDY**

*Jelena Topic Bozic, Andreja Dobrovoljc, Simon Muhič*

5.3.2 #558

**DA LI ZELENA AGENDA MOŽE DA OPSTANE?  
CAN THE GREEN AGENDA SURVIVE?**

*Miroslav Parović*

5.3.3 #574

**ISPITIVANJE UTICAJA BIODIZELA OD PALMINOG ULJA (PME) NA POGONSKE KARAKTERISTIKE BRODSKOG DVOTAKTNOG DIZEL MOTORA  
INVESTIGATION OF THE IMPACT OF OALM OIL BIODIESEL (PME) ON THE PERFORMANCE CHARACTERISTICS OF A MARINE TWO-STROKE DIESEL ENGINE**

*Sead Cvrk, Draško Kovač, Jakša Vujović, Đorđe Nedeljkov*

5.3.4 #576

**PRIMENA GEOINFORMACIONIH SISTEMA (GIS) U ANALIZI ZAGADJENJA VAZDUHA  
APPLICATION OF GEOGRAPHIC INFORMATION SYSTEMS (GIS) IN AIR POLLUTION ANALYSIS**

*Nikola Stanković*

5.3.5 #579

**UB - IZMEĐU UGLJA I SUNCA  
UB - BETWEEN COAL AND THE SUN**

*Slaviša Đukanović, Ljiljana Ristović*

5.3.6 #504

**MOGUĆNOSTI ZA KORIŠĆENJE RASPOLOŽIVE BIOMASE KAO OBNOVLJIVOG IZVORA ENERGIJE U RAZVOJU REGIONALNE TERITORIJE  
OPPORTUNITIES FOR USING THE AVAILABLE BIOMASS AS A RENEWABLE SOURCE OF ENERGY IN THE DEVELOPMENT OF THE REGIONAL TERRITORY**

*Srećko Ćurčić, Aleksandar Peulić, Dragan Milićević, Anđela Vasilijević*

19:00 – 19:30 **Predavanje po pozivu / Invited lecture**

Moderator: *prof. Milun Babić*

**OD TESLINE REZONANTNE ZAVOJNICE DO BIOREZONANTNE KVANTNO – INFORMACIONE MEDICINE: TRAGOM TESLINE KREATIVNOSTI**

**FROM TESLA'S RESONANT COIL TO BIORESONANT QUANTUM INFORMATION MEDICINE: ON THE TRAIL OF TESLA'S CREATIVITY**

*Prof. Dejan Raković*

**Subota, 18. april 2026 / Saturday, April 18, 2026**

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

Moderator: *Sandra Alagić*

**MAPA PUTA DEKARBONIZACIJE SEKTORA DALJINSKOG GREJANJA U REPUBLICI SRBIJI**

**ROADMAP FOR THE DECARBONIZATION OF THE DISTRICT HEATING SECTOR IN THE REPUBLIC OF SERBIA**

*Prof. Dejan Ivezic, Univerzitet u Beogradu - Rudarsko geološki fakultet*

09:30 – 10:00 *Kafe pauza / Coffee break*

10:00 – 11:30 **Paralelne sesije / Parallel Sessions 6**

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

**EKONOMSKO – REGULATORNA I RAZVOJNA PITANJA ENERGETSKE TRANZICIJE - ECONOMIC - REGULATORY AND DEVELOPMENTAL ISSUES OF ENERGY TRANSITION**

Moderator: *dr Ilija Batas Bjelic*

6.1.1 #606

**TEORIJA PRIRODNOG MONOPOLA I TEORIJA REGULACIJE U SNABDEVANJU ELEKTRIČNOM ENERGIJOM  
THEORY OF NATURAL MONOPOLY AND REGULATION THEORY IN ELECTRICITY SUPPLY SECTOR**

*Žarko Nestorović*

6.1.2 #640

**ANALIZA OBUHVATA 3 U KORPORACIJSKOM LANCU VREDNOSTI: STUDIJA SLUČAJA ZA HIDROELEKTRANE  
ANALYSIS OF SCOPE 3 IN CORPORATIVE VALUE CHAIN: CASE STUDY FOR HYDROPOWER PLANTS**

*Žarko Nestorović, Ivana Mitrović, Ivan Stevović*

6.1.3 #633

**POVEĆANJE KVALITETA NACIONALNOG ENERGETSKOG PLANIRANJA AUTOMATSKOM IDENTIFIKACIJOM  
OGRANIČENJA FLEKSIBILNOSTI IZ INTERKONECIJE  
INCREASING THE QUALITY OF NATIONAL ENERGY PLANNING BY AUTOMATICALLY IDENTIFYING FLEXIBILITY  
CONSTRAINTS FROM INTERCONNECTION**

*Bojan Ivanović, Ilija Batas Bjelić, Jelena Nikolić, Tomislav Rajić, Nikola Rajaković*

6.1.4 #506

**GREJANJE U DOMAĆINSTVIMA U SRBIJI: DUBINSKA ANALIZA I IMPLIKACIJE ZA ENERGETSKU TRANZICIJU  
HEATING IN SERBIAN HOUSEHOLDS: IN-DEPTH ANALYSIS AND IMPLICATIONS FOR THE ENERGY TRANSITION**

*Boban Pavlović, Dejan Ivezić, Marija Živković, Dušan Mojić*

6.1.5 #567

**PROCENA ULOGE ENERGETSKIH ZAJEDNICA U LOKALNOJ INTEGRACIJI OBNOVLJIVE ENERGIJE: PRIMER DANSKIH  
ARHETIPOVA  
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*Jelena Nikolić, Peter Sorknæs*

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*Viktor Andonov; Snežana Hristova*

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

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Moderator: *Doc. dr Tomislav Rajić*

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*Ljubica Ljubičić, Iva Batić, Tomislav Rajić*

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**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 letnjikovce, 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.

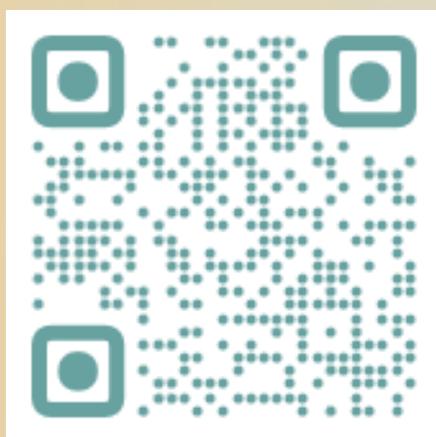


**Hotel Zlatibor Resort** nalazi se u samom centru Zlatibora i idealan je spoj udobnog, komfornog i relaksirajućeg smeštaja sa duhom tradicije i sjajem savremenog luksuza, uz sve čari planinskog ambijenta. Pored idealne lokacije na kojoj se hotel nalazi, dodatnu lepotu uživanja vam pruža ogromna mogućnost 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.

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