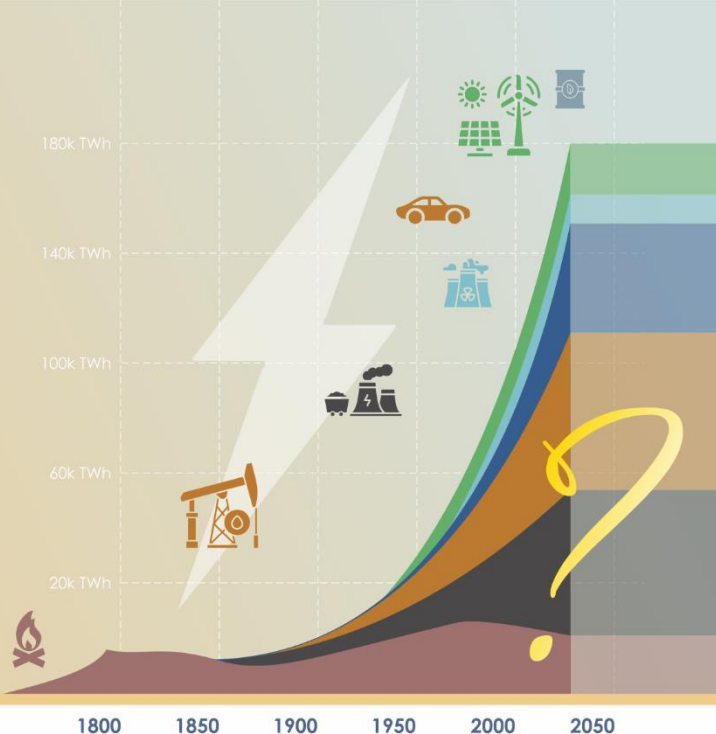


41. Međunarodno Savetovanje
International Conference

ENERGY ENERGETIKA 2026



PROGRAM SAVETOVANJA CONFERENCE PROGRAM

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

STRUČNI SKUP „ENERGIJA, PROJEKTI, SIGURNOST“

SUORGANIZATORI - CO-ORGANIZERS



**ЕЛЕКТРОПРИВРЕДА
СРБИЈЕ**



Savez energetičara
Association of Energy Sector Specialists

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

09:30 – 10:00

RAZGOVOR SA GENERALNIM DIREKTOROM EPS AD DUŠANOM ŽIVKOVIĆEM
DISCUSSION WITH A GENERAL MANAGER OF EPS - DUŠAN ŽIVKOVIĆ

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 ELEKTRIČNE ENERGIJE
NEW ENERGY REALITY - POWER STORAGE

LOKACIJA / VENUE: **HOTEL ZLATIBOR RESORT - (SALA / HALL) ZLATNI BOR**

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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

Kopredsednici:

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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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Petar Šainović, Siemens Energy, Serbia
Ljubo Mačić, consultant, Serbia
Željko Marković, Scitech, Belgrade, Serbia
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Nebojša Lapčević, EPS, 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
Dejan Stojanović, Association of Heating Plants of Serbia

Sreda, 15. april 2026 / Wednesday, April 15, 202614:00 **REGISTRACIJA UČESNIKA / REGISTRATION**14:00 – 15:30 *Pansionski ručak / Lunch break*16:00 **Svečano otvaranje Savetovanja / Opening ceremony***Prof. dr Nikola Rajaković, predsednik, Savez energetičara**Dušan Živković, Generalni direktor, EPS AD, Srbija**Milan Aleksić - savetnik u Ministarstvu rudarstva i energetike za kapitalne investicije*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*
- *Milutin Đukanović, predsednik Borda direktora Elektroprivrede Crne Gore / President of the Board of Directors in EPCG*
- *Luka Petrović, generalni direktor Elektroprivrede Republike Srpske / General Manager of ERS*
- *Sanel Buljubašić, generalni direktor Elektroprivrede Bosne i Hercegovine / General Manager of EPBiH*

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 Bešlagić, KPMG Beograd*

Panelisti / Panelists:

- *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*
- *Zdravko Dragaš, izvršni direktor Elektroprivrede Crne Gore / Executive director in Electricity Company of Montenegro*
- *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 *Pansionski 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

Moderator / Moderator: *Željko Marković*

Učesnici / Participants: *Predrag Ćulibrk (ELNOS Group), Nenad Dlačić (ABB), Ervin Leko (konsultant), Ljubo Mačić (konsultant), Srdan Srdanović (Siemens), Petar Tatomirović (Siemens Energy)*

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

PROINTER
GROUP

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

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**21.00 – 00:00 **Korporativna žurka / Corporate party** **PROINTER GROUP****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 *Kafe pauza / Coffee 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 ELEKTRIČNE 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 *Pansionski 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 Grujić*

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*

TESLINA KREATIVNOST I SAVREMENA KVANTNO-INFORMACIONA NAUKA

TESLA'S CREATIVITY AND MODERN QUANTUM - INFORMATION SCIENCE

Prof. dr Dejan Raković, Elektrotehnički fakultet, Univerzitet u Beogradu

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 Bjelić*

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*

11:40 – 13:00 **OKRUGLI STO / ROUND TABLE 2 - Sala / Hall - Crni Bor**

ENERGETIKA I GEOPOLITIKA: NIKAD BLIŽE

ENERGY SECTOR AND GEOPOLITICS: CLOSER THAN EVER

Moderator / Moderator: *Ružica Vranjković*

Učesnici / Participants: *Tomislav Mićović (Udruženje naftnih kompanija Srbije), Saša Koković, (Ministarstvo rudarstva i energetike Republike Srbije), Dejan Ivezić (Univerzitet u Beogradu - Rudarsko geološki fakultet), Jelica Putniković (Energija Balkana), Željko Marković (Savez energetičara), Nikola Rajaković (Savez energetičara)*

13:10 – 13:30 **ZAVRŠNA SESIJA / CLOSING SESSION - Sala / Hall - Crni Bor**

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 #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

1.1.5 #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

1.1.6 #518

AGRO-FOTONAPONSKE ELEKTRANE U REPUBLICI SRBIJI

AGRO-PHOTOVOLTAIC POWER PLANTS IN THE REPUBLIC OF SERBIA

Uroš Gordić, Miloš Bogdanović, Miloš Ječmenica

1.1.7 #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

1.1.8 #553

TRŽIŠTE ELEKTRIČNE ENERGIJE U REPUBLICI SRBIJI - STRUKTURA, REGULATORNI OKVIR I USKLAĐENOST SA EVROPSKIM TRŽIŠTEM

ELECTRICITY MARKET IN THE REPUBLIC OF SERBIA - MARKET STRUCTURE, REGULATORY FRAMEWORK AND ALIGNMENT WITH THE EUROPEAN MARKET

Milica Vukovljak, Dragana Barjaktarević

17:00 – 18:30 **Specijalna sesija / Special Session - Sala / Hall – Crni Bor**

Sreda / Wednesday, 15-04-2026

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

17:00 – 18:30 **Specijalna sesija / Special Session - Sala / Hall 3**

Sreda / Wednesday, 15-04-2026

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

Moderator: *dr Mladen Josijević*

1.3.1 #516

KA NISKOUGLJENIČNOM ZDRAVSTVENOM SEKTORU: SVEOBUHVAJNI 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

Dražko 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 #574

**ISPITIVANJE UTICAJA BIODIZELA OD PALMINOG ULJA (PME) NA POGONSKE KARAKTERISTIKE BRODSKOG
DVOTAKTOG 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

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

17:00 – 18:30 **Specijalna sesija / Special Session - Sala / Hall – Crni Bor**

Četvrtak / Thursday, 16-04-2026

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 CO2 IZ ENERGETSKIH OBJEKATA - STUDIJA SLUČAJA

THE POSSIBILITY OF APPLYING CO2 STORAGE TECHNOLOGY ON ENERGY FACILITIES - CASE STUDY

Nemanja Aleksić

2.2.4 #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

2.2.5 #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

2.2.6 #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

2.2.7 #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

UPRAVLJANJE RIZICIMA U ENERGETICI – RISK MANAGEMENT IN POWER SYSTEMSModerator: *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

Velimir Strugar, Snežana Đurović, Jelena Gogić

2.3.4 #651

INOVATIVNI PRISTUPI U ODRŽAVANJU DALEKOVODA VISOKOG NAPONA I UPRAVLJANJU RIZICIMA KORIŠĆENJEM ERS (SISTEMA ZA HITNO OBNAVLJANJE)
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 #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

2.3.7 #654

STUDIJA RIZIKA INTERNE REVIZIJE U MH ERS
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, Tonči Tadin, Mario Mužek, Marko Hajdina, Tomislav Lešković

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*18:30 – 20:00 **Specijalna sesija / Special Session - Sala / Hall – Crni Bor**

Četvrtak / Thursday, 16-04-2026

HIDROENERGETIKA – HYDROENERGYModerator: *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 #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*

3.2.4 #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*

3.2.5 #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*

3.2.6 #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*

3.2.7 #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*18:30 – 20:00 **Specijalna sesija / Special Session - Sala / Hall 3**

Četvrtak / Thursday, 16-04-2026

SAVREMENI ASPEKTI KORIŠĆENJA TOPLOTNE ENERGIJE – MODERN ASPECTS OF HEAT USEModerator: *Slobodan Jerotić*

3.3.1 #539

VALORIZACIJA BIOOTPADA 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, Dragi Antonijević*

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, Aleksa Alagić

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

4.1.8 #658

UTICAJ PARAMETARA TRANSFORMATORA NA REAKTIVNE MOGUĆNOSTI PROIZVODNOG MODULA PRIKLJUČENOG NA PRENOSNI SISTEM

IMPACT OF TRANSFORMER PARAMETERS ON THE REACTIVE POWER CAPABILITY OF A POWER GENERATING MODULE CONNECTED TO THE TRANSMISSION SYSTEM

Sonja Simović, Jelena Milić, Nebojša Vučinić

15:00 – 17:00 **Specijalna sesija / Special Session - Sala / Hall – Crni Bor**

Petak / Friday, 17-04-2026

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 Srećković, 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

EKONOMSKA PERSPEKTIVA ENERGETIKE – ECONOMIC PERSPECTIVES IN ENERGY SECTORModerator: *Prof. dr Dejan Molnar*

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*17:00 – 17:30 *Kafe pauza / Coffee break*17:30 – 19:00 **Paralelne sesije / Parallel Sessions 5**

PREDIKCIJE I DIJAGNOSTIKA U MODERNIM ENERGETSKIM SISTEMIMA - PREDICTIONS AND DIAGNOSTICS IN MODERN ENERGY SYSTEMSModerator: *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 #535

NAPREDNA DIJAGNOSTIKA STANJA VETROPARKOVA**ADVANCED DIAGNOSTICS OF WIND FARM CONDITIONS***Jelena Balšić, Mileta Žarković*

5.1.3 #562

DUGOROČNA PROCJENA VJETROENERGETSKOG POTENCIJALA PRIMJENOM MCP METODE**LONG-TERM WIND RESOURCE ASSESSMENT USING MCP METHOD***Ana Dubljević, Vidosava Vilotijević, Uroš Karadžić*

5.1.4 #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*

5.1.5 #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*

5.1.6 #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*

5.1.7 #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*17:30 – 19:00 **Specijalna sesija / Special Session - Sala / Hall – Crni Bor**

Petak / Friday, 17-04-2026

TRZIŠTE ELEKTRIČNE ENERGIJE – POWER EXCHANGE MARKETSModerator: *Dunja Grujić*

5.2.1 #528

PRAVILA O PRUŽANJU NEFREKVENCIJSKIH USLUGA U DISTRIBUTIVNOM SISTEMU ELEKTRIČNE ENERGIJE U CRNOJ GORI - REGULATORNI 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 Odstupanja 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

17:30 – 19:00 **Specijalna sesija / Special Session - Sala / Hall 3**

Petak / Friday, 17-04-2026

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

Moderator: *Petar Đukić*

5.3.1 #558

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

Miroslav Parović

5.3.2 #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

5.3.3 #576

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

Nikola Stanković

5.3.4 #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 Vasiljević

19:00 – 19:30 **Predavanje po pozivu / Invited lecture**Moderator: *prof. Milun Babić*

TESLINA KREATIVNOST I SAVREMENA KVANTNO-INFORMACIONA NAUKA

TESLA'S CREATIVITY AND MODERN QUANTUM - INFORMATION SCIENCE

Prof. dr Dejan Raković, Elektrotehnički fakultet, Univerzitet u Beogradu

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
DEVELOPMENTAL ISSUES OF ENERGY TRANSITION

Moderator: *dr Ilija Batas Bjelić*

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 #502

TEORIJA KATASTROFE I SIGURNOST BRANA
ON THE CATASTROPHY THEORY AND DAM SAFETY

Žarko Nestorović

6.1.4 #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*

6.1.5 #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*

6.1.6 #567

PROCENA ULOGE ENERGETSKIH ZAJEDNICA U LOKALNOJ INTEGRACIJI OBNOVLJIVE ENERGIJE: PRIMER DANSKIH ARHETIPOVA
ASSESSING THE ROLE OF ENERGY COMMUNITIES IN LOCAL RENEWABLE ENERGY INTEGRATION: EVIDENCE FROM DANISH ARCHETYPES*Jelena Nikolić, Peter Sorknæs*

6.1.7 #653

UPRAVLJANJE ENERGETSKOM TRANZICIJOM: PRIVATIZACIJA MENADŽMENTA KAO PUT KA SIGURNOSTI SNABDEVANJA I INFRASTRUKTURNOM RAZVOJU**GOVERNING THE ENERGY TRANSITION: MANAGEMENT PRIVATIZATION AS A PATH TO SECURITY OF SUPPLY AND INFRASTRUCTURE DEVELOPMENT***Viktor Andonov; Snežana Hristova*

6.1.8 #657

UTICAJ VARIJACIJE PROIZVODNOG MIKSA NA STANJE ELEKTROENERGETSKOG SISTEMA KORIŠĆENJEM TRŽIŠNIH PRORAČUNA**THE IMPACT OF PRODUCTION MIX VARIABILITY ON THE STATE OF THE POWER SYSTEM USING MARKET-BASED CALCULATIONS***Andrija Pavićević, Vladan Ristić, Nebojša Vučinić*10:00 – 11:30 **Specijalna sesija / Special Session - Sala / Hall – Crni Bor**

Subota / Saturday, 18-04-2026

SKLADIŠTENJE ENERGIJE – ENERGY STORAGEModerator: *Doc. dr Tomislav Rajić*

6.2.1 #623

ELEKTROHEMIJSKE OSOBINE NATRIJUM-JONSKIH BATERIJA**ELECTROCHEMICAL PROPERTIES OF SODIUM-ION BATTERIES***Ljubica Ljubičić, Iva Batić, Tomislav Rajić*

6.2.2 #625

UPOTREBA VODONIKA ZA SKLADIŠTENJE ELEKTRIČNE ENERGIJE**THE USE OF HYDROGEN FOR ELECTRICAL ENERGY STORAGE***Mina Ristić, Iva Batić, Tomislav Rajić*

6.2.3 #656

PROCENA OSTVARENE TRŽIŠNE CENE I UTICAJA INTEGRACIJE BATERIJSKOG SKLADIŠTA ENERGIJE NA OVU CENU KOD SOLARNIH FOTONAPONSKIH ELEKTRANA U SRBIJI**ASSESSMENT OF CAPTURE PRICE AND THE IMPACT OF BATTERY ENERGY STORAGE INTEGRATION ON THE MARKET VALUE OF SOLAR PHOTOVOLTAIC POWER PLANTS IN SERBIA***Željko Marković, Dejan Stojčevski, Miloš Kostić*

6.2.4 #646

RAZVOJ SIMULACIONOG MODULA ZA PRIMJENU U OKVIRU DIGITALNIH BLIZANACA FOTONAPONSKIH ELEKTRANA**TOWARDS A SIMULATION MODULE FOR APPLICATION IN DIGITAL TWINS OF PHOTOVOLTAIC SYSTEMS***Čedomir Zeljković, Predrag Mršić, Petar Matić, Bojan Erceg, Branko Blanuša, Mario Vražić, Luka Budin, Daniel Denkovski, Živko Kokolanski*

6.2.5 #652

ULOGA BATERIJSKIH SKLADIŠTA U RADU EES | BATTERY STORAGE AND THEIR IMPACT ON POWER SYSTEM OPERATION*Bojan Ivanović*

6.2.6 #541

ANALIZA PROVERE ISPUNJENOSTI ZAKONSKOG MINIMALNO POTREBNOG KAPACITETA I SNAGE BATERIJSKOG SKLADIŠTA ZA POTREBE BALANSIRANJA**ANALYSIS OF THE VERIFICATION OF COMPLIANCE WITH THE MINIMUM REQUIRED CAPACITY AND POWER OF THE BATTERY STORAGE FOR BALANCING PURPOSES***Sima Tatalović, Lazar Vesić*

6.2.7 #610

UTICAJ OLTC REGULACIJE TRANSFORMATORA 35/10 KV NA PRIHVATNI KAPACITET SN/NN MREŽA ZA PRIKLJUČENJE FOTONAPONSKIH ELEKTRANA**IMPACT OF 35/10 KV TRANSFORMER OLTC REGULATION ON PV HOSTING CAPACITY IN MV/LV NETWORKS***Jelena Gajović, Anja Čanović*

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ANALIZA MOGUĆNOSTI ZAJEDNIČKOG RADA SOLARNE ELEKTRANE, PUMPNO-AKUMULACIONOG POSTROJENJA I HIDROELEKTRANE NA PROSTORNO BLISKIM LOKACIJAMA**ANALYSIS OF THE POSSIBILITIES FOR THE JOINT OPERATION OF A SOLAR POWER PLANT, A PUMPED-STORAGE FACILITY, AND A HYDROPOWER PLANT IN SPATIALLY CLOSE LOCATIONS***Jovan Tošić, Pavle Stjepanović, Veselin Anđelković, Jasmina Nešković*10:00 – 11:30 **Specijalna sesija / Special Session - Sala / Hall 3**

Subota / Saturday, 18-04-2026

PRAVO ENERGETIKE – ENERGY LAWModerator: *dr Branislava Lepotić Kovačević*

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REGULATORNI OKVIR REPUBLIKE SRBIJE ZA KORIŠĆENJE NUKLEARNE ENERGIJE**REGULATORY FRAMEWORK OF THE REPUBLIC OF SERBIA FOR THE USE OF NUCLEAR ENERGY***Bojana Petrović Raičević*

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THE POSSIBILITY OF USING THE PPA CONTRACT MODEL IN THE REPUBLIC OF SERBIA

Dejan Vasić, Ivana Đorđević

OPŠTE INFORMACIJE ZA AUTORE RADOVA I TEHNIČKO UPUTSTVO ZA IZLAGANJE RADA GENERAL INFORMATION FOR AUTHORS PRESENTATION

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 2026. 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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B	OSTALI UČESNICI	24.000,00 / 205,00	28.800,00 / 245,00
C	STUDENTSKA	12.000,00 / 105,00	14.400,00 / 125,00

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Tip sobe / Room type	Cena / Price (RSD / EUR)
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Dvokrevetna**	18.800,00 / 160,00

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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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