



Society for Electronics, Telecommunications, Computers, Automatics and Nuclear engineering

**10th Jubilee International Conference on Electrical, Electronic, and Computing Engineering
IcETRAN 2023, East Sarajevo, RS, Bosnia and Herzegovina, June 5-8, 2023**

SIXTH ANNOUNCEMENT

MANUSCRIPT SUBMISSION

Papers are solicited for the ETRAN and IcETRAN Conferences presenting original theoretical or practical research results, the results of the application of theoretical methods in solving practical engineering problems, or descriptions of practical solutions or instrumentation. Only results not published or presented previously are acceptable. Besides the papers covering the fields of interest of particular sections of the Conferences, authors are encouraged to submit papers dedicated to education in the topics of interest for the sections of the two co-located conferences.

The authors are invited to submit papers from the field of nanoscience and nanotechnologies for the 16th Annual Nanotechnology Workshop nanoETRAN to be held within the framework of the Microelectronics and Optoelectronics Section.

Students of Ph.D., master, and undergraduate studies are specially invited and will be stimulated to submit papers.

The detailed instructions for camera-ready manuscripts are on the IcETRAN conference site. The MS Word (*.docx) template can be used. The required format for the submission is a somewhat modified version of the IEEE Transactions format.




[MS Word template*](#)



[PDF template](#)

* It is recommended to use the .doc version as a template and apply its built-in styles.

Manuscripts must be submitted electronically in PDF format using  the [EasyChair conference management system](#)

NEW!!

The IcETRAN 2023 Conference is sponsored by IEEE R8, IEEE Serbia and Montenegro Section, IEEE Bosnia and Herzegovina Section, and IEEE Power and Energy Chapter of the S&M Section. All IcETRAN 2023 papers may be considered for inclusion into the IEEE Xplore Digital Library, and to be listed/cited through the SCOPUS, and the Web of Science.



PRELIMINARY PROGRAM:

SPECIAL SESSIONS / СПЕЦИЈАЛНЕ СЕСИЈЕ

KALCEA - Knowledge Triangle for Low Carbon Economy (IcETRAN)

Session organizer: **Prof. Srđan Lale**

University of East Sarajevo, Faculty of Electrical Engineering, East Sarajevo, Bosnia and Herzegovina

Aktuelnosti u obrazovanju elektrotehničkog i računarskog inženjerstva (ETRAN)

Organizator sesije: **prof. Jelica Protić**

Univerzitet u Beogradu, Elektrotehnički fakultet, Beograd, Srbija

Merenje i obuhvat podataka iz konzuma Elektroprivrede Srbije - (ETRAN)

Organizatori sesije: **prof. dr Vladimir Vujičić i prof. dr Dragan Pejić**

Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad, Srbija

KEY NOTE LECTURES / УВОДНА ПРЕДАВАЊА

Branislav Kisačanin (IcETRAN)

The Institute for Artificial Intelligence Research and Development of Serbia, Novi Sad, Serbia

„The biggest promise of AI: Making scientists and engineers stronger”

Dušan Gajić (IcETRAN)

University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia

„Blockchain Applications in the Energy Sector”

Миломир Шоја (ETRAN)

Univerzitet u Istočnom Sarajevu, Elektrotehnički fakultet, Istočno Sarajevo, RS, Bosna i Hercegovina

„Реални извори струје”



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INVITED LECTURES / ПОЗВАНА ПРЕДАВАЊА

Prof. Bane Vasić (IcETTRAN, Section TE)

The University of Arizona, Tucson, USA

„Quantum Error Correction: Introduction and Latest Developments in Quantum LDPC Codes“

Staniša Raspopović (IcETTRAN, Section BTI)

ETH, Zürich, Department of Health Sciences and Techn., Institute for Robotics and Intelligence Syst., Zürich, Switzerland

„Nerve-machine interfaces for the neurorehabilitation“

Krzysztof Chwastek (IcETTRAN, Section NMI)

Czestochowa University of Technology, Faculty of Electrical Engineering Czestochowa, Poland

„The advantages and drawbacks of the Jules-Atherton model“

Silvio Vaschetto (IcETTRAN, Section EEI)

Politecnico di Torino, Dipartimento Energia, Torino, Italy

„Cryogenic-Cooled and Superconducting Electrical Machines“

INVITED PAPERS / ПОЗВАНИ РАДОВИ

Dušan Nešić (IcETTRAN, Section MTI)

University of Belgrade, Institute of Chemistry, Technology, and Metallurgy

„Application of conductive tapes and foils in textile electronics“

Gorana Gojić (IcETTRAN, Section VII)

The Institute for Artificial Intelligence Research and Development of Serbia, Novi Sad, Serbia

„Non-adversarial Robustness of Deep Learning Methods for Computer Vision“

Milica Ćurčić (IcETTRAN, Section NTI)

University of Belgrade, Vinča Institute of Nuclear Sciences – National Institute of the Republic of Serbia

„Security Aspects of Nuclear Materials in Transport“

Luka Lazović (IcETTRAN, Section API)

University of Montenegro, Faculty of Electrical Engineering, Podgorica, Montenegro

„Fractal antennas for super wideband applications“

Zorica Bogdanović (IcETTRAN, Section BTI)

University of Belgrade – Faculty of Organizational Sciences, Belgrade, Serbia

„Blockchain infrastructure and services for biomedical applications“

Ivo Marković (IcETTRAN, Section EKI)

Polus Tech, Belgrade, Serbia

„The Emergence of Memristive Devices in Microwave Circuit Design: A Review of Progress and Potential Application“

Mariusz Najgebauer (IcETTRAN, Section NMI)

Czestochowa University of Technology, Faculty of Electrical Engineering Czestochowa, Poland

„Advances in contemporary soft magnetic materials – a review“

Piotr Derugo (IcETTRAN, Section EEI)

Wroclaw University of Science and Techn., Elec. Eng. Faculty, Dep. of Elec. Mach., Drives and Meas., Wroclaw, Poland

„Transfer learning for fuzzy control of the two-mass drive system using state variables feedback“

Marija Radmilović (IcETTRAN, Section ROI)

University of Belgrade, Institute Mihajlo Pupin, Belgrade, Serbia

„Robotic in Agriculture 4.0“

Mitar Simić, Milan Radovanović, Goran Stojanović (IcETTRAN, Section MLI)

University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia

„Measurement Methods, Instrumentation and Data Processing for Textile and Flexible Sensors“

Синиша М. Вученовић (ЕТРАН, Секција МО)

Универзитет у Бањој Луци, Природно-математички факултет, Бања Лука, Босна и Херцеговина

„Примјена метода Гринових функција у физици кондензоване материје на истраживање фундаменталних својстава кристалних наноструктура“

Миомир Мијић (ЕТРАН, Секција АК)

Универзитет у Београду, Електротехнички факултет, Београд, Србија

„Београдска школа акустичког дизајна – Теорија и пракса пројектовања сала“

ROUND TABLE / ОКРУГЛИ СТО

Енергетске перспективе Србије и западног Балкана

Модератор: Академик, проф. др Слободан Вукосавић

САНУ и Универзитет у Београду, Електротехнички факултет, Београд, Србија

AWARDS

BEST PAPER AWARDS (max 16) – Each section of the ETRAN society may award the best paper

BEST YOUNG AUTHOR PAPER AWARDS - Each section of the ETRAN society may award the best young author's paper.

The authors of the awarded papers are invited to submit a modified version of the manuscript for publication in International journals that cooperate with ETRAN society:

- Science of Sintering, <http://ojs.itn.sanu.ac.rs>, Published by ETRAN Soc., (Web of Science, Scopus, Crossref, DOAJ; SJR rank Q2; MPNTR Srbije rank: M22),
- Facta Universitatis, Series: Electronics and Energetics, <http://casopisi.junis.ni.ac.rs/Index.php/FUElectEnergy>, Published by University of Niš, (Scopus, Crossref, DOAJ; SJR rank Q4; MPNTR Srbije rank M24)
- Serbian Journal of Electrical Engineering, <http://www.journal.ftn.kg.ac.rs>, Published by FTN Čačak, (Scopus, Crossref, DOAJ, SJR rank Q4; MPNTR Srbije rank M52),
- Electronics Journal, <http://els-journal.etf.unibl.org>, Published by ETF Banja Luka, (Scopus, DOAJ, SJR rank Q4; MPNTR Srbije rank M53)
- Microwave Review, https://www.mtt-serbia.org.rs/microwave_review, Published by MTTs, (Scopus, IET Inspec, EBSCO, Crossref, DOAJ; SJR rank Q4; MPNTR Srbije rank M53)

TOPICS (Sections)

- Electronics (ELI)
- Telecommunications (TEI)
- Computing and information engineering (RTI)
- Automation (AUI)
- Nuclear engineering and technology (NTI)
- Acoustics (AKI)
- Antennas and propagation (API)
- Electric circuits and systems and signal processing (EKI)
- Power engineering (EEI)
- Biomedical engineering (BTI)
- Metrology (MLI)
- Microelectronics and optoelectronics (MOI)
- Microwave technique, technologies, and systems (MTI)
- New materials in electrical and electronic engineering (NMI)
- Robotics and flexible automation (ROI)
- Artificial intelligence (VII)

VENUE

Etran and IcETRAN conferences will be held in East Sarajevo, RS, Bosnia and Herzegovina. The host is the University of East Sarajevo - Faculty of Electrical Engineering. For more information about the University of East Sarajevo - Faculty of Electrical Engineering please visit <https://www.etf.ues.rs.ba>



The cultural and historical heritage of the City of East Sarajevo with its diversity, number, values, meaning, and distribution is a great asset to the region.

In their number, the medieval locality stands out, primarily the necropolises under the stećci, some of which are very characteristic of our area. Stećci – Medieval tombstones are an original expression that arises in historically specific circumstances and the interweaving of the East and the West. They are also a unique phenomenon in the medieval European artistic and archaeological heritage, as evidenced by the richness in typology, numeracy, artistic expression, inscriptions, and the contexts of their creation.

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The City of East Sarajevo as a place of former territory of the medieval grandfather of Pavlovic is one of the centers of production of various forms of stećci. By number it belongs to the richest regions with a concentration of medieval tombstones, and what makes it special are monumental forms of individual specimens, unusual and original ornaments. The remains of fortified Pavlović dynasty complexes are now visible in the valleys of the Miljacka and Prača rivers.

The historical core of the medieval town at the source of Miljacka on Pale is one of the more explicit monuments of the cultural heritage of the Sarajevo-Romanija region. The fort has preserved the appearance of a typical medieval fortress with Upper Town and Podgrađe. The Old City at the source of Miljacka is one of the better-preserved medieval fortresses.



IMPORTANT DATES

- **May 02, 2023 – DEADLINE FOR PAPERS SUBMISSION**
- May 06, 2023 – Review process finalized, reviews sent back to authors
- May 08, 2023 – Final (revised) versions of papers received
- May 10, 2023 – Preliminary Programm (Conference site)
- May 10 / May 24, 2023 – Registration (Early Bird/Late) for the conference
- June 4, 2023 – Preliminary Proceedings (Conference site)
- June 5, 2023 – **OPENING SESSION OF THE IcETRAN 2023 AND ETRAN 2023 CONFERENCES**

CONTACT

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Society for ETRAN

University of East Sarajevo, Faculty of Electrical Engineering



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