



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**

## **FOURTH ANNOUNCEMENT**

### **MANUSCRIPT SUBMISSION**

Papers are solicited for the ETRAN and IcETRAN Conferences presenting original theoretical or practical research results, the results of 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 (MO).

Students of undergraduate studies are invited and will be stimulated to submit papers to be considered for presentation at a separate student section.

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 somewhat modified version of the IEEE Transactions format.




[MS Word template\\*](#)



[PDF template](#)

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

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

### **SPECIAL SESSIONS**

**Special Session: KALCEA (Knowledge Triangle for Low Carbon Economy) - (IcETRAN)**

**Session organizer: prof. Srđan Lale**

*University of East Sarajevo, Faculty of Electrical Engineering*

**Specijalna sesija: Aktuelnosti u obrazovanju elektrotehničkog i računarskog inženjerstva - (ETRAN)**

**Organizator sesije: prof. Jelica Protić**

*Univerzitet u Beogradu – Elektrotehnički fakultet*

### **KEY NOTE LECTURES**

**Branislav Kisačanin (IcETRAN)**

*The Institute for Artificial Intelligence Research and Development of Serbia*

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

**Dušan Gajić (IcETRAN)**

*University of Novi Sad*

**„Blockchain Applications in the Energy Sector”**

**Миломир Шоја (ETRAN)**

*Универзитет у Источном Сарајеву, Електротехнички факултет, Реп. Српска, БиХ*

**„Реални извори струје”**



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#### INVITED LECTURES

**Prof. Bane Vasić (IcETTRAN, Section TE)**

*The University of Arizona, USA:*

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

**Staniša Raspopović (IcETTRAN, Section BTI)**

*ETH, Zürich, Department of Health Sciences and Technology, Institute for Robotics and Intelligence Systems 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 Jiles-Atherton model“**

**Silvio Vaschetto (IcETTRAN, Section EEI)**

*Politecnico di Torino, Dipartimento Energia, Torino, Italy*

**„Cryogenic-Cooled and Superconducting Electrical Machines“**

#### INVITED PAPERS

**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 Technology, Electrical Engineering Faculty, Dep. of Electrical Machines, Drives and Measurements, Wroclaw, Poland*

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

**Синиша М. Вученовић (ЕТРАН, Секција МО)**

*Универзитет у Бањој Луци, Природно-математички факултет*

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

Authors, wishing to submit the papers within the special session, previously should contact corresponding session chairman or prof dr Platon Sovilj, the chairman of the Program Committee.

### AWARDS

ETRAN society awards the best paper in each section , also the best young author’s paper, for both ETRAN and IcETRAN conferences.

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

- Science of Sintering, <http://ojs.itn.sanu.ac.rs>, Publisher ETRAN, (Web of Science, Scopus, Crossref, DOAJ; SJR rank:Q2/Q3;MPNTR Srbije, rank: M22/23)
- Serbian Journal of Electrical Engineering <http://www.journal.ftn.kg.ac.rs/> (Scopus, Crossref, DOAJ, SIR rank/Q4, MPNTR Srbije rank M24) and
- Electronics Journal <http://els-journal.etf.unibl.org/> (Scopus, DOAJ, SIR rank/Q4)
- Facta Universitatis, Series: Electronics and Energetics <http://casopisi.junis.ni.ac.rs/Index.php/FUElectEnerg> (Scopus, Crossref, DOAJ;SJR rank:Q4; MPNTR Srbije, rank:M24)
- Microwave Review, [https://www.mtt-serbia.org.rs/microwave\\_review](https://www.mtt-serbia.org.rs/microwave_review) (Scopus, IET Inspec, EBSCO)

### 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 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 of the region.

The Cave pod Lipom represents a unique Palaeolithic site on the territory of Bosnia and Herzegovina with the traces of Palaeolithic art and the material culture of the earliest modern people. Prehistoric sites, tumuli and hills, for more than a century, have attracted the attention of researchers since the discovery of cult Glasinac carts, the masterpieces of late prehistoric art.



very characteristic for 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.

The City of East Sarajevo as a place of former territory of the medieval grandfather of Pavlović 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. To this day, the fort has preserved the appearance of a typical medieval fortress with Upper Town and Podgrađe. Unlike other medieval fortresses that have been architecturally adapted to the new needs through history, the Old City at the source of Miljacka retained its original architectural characteristics and is one of the better preserved medieval fortresses.

## IMPORTANT DATES

- **April 10, 2023– DEADLINE FOR PAPERS SUBMISSION**
- April 15, 2023 – Review process finalized, reviews sent back to authors
- April 28, 2023 - Final (revised) versions of papers received
- May 03 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 Electronics, Telecommunications, Computers, Automatics and Nuclear engineering

**Organizatori:**

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Elektrotehnički fakultet,  
Univerzitet Istočno Sarajevo

**Podrška:**

Institute of Electrical and Electronics Engineers IEEE

Društvo za energetska elektroniku Srbije

CIREC Srbija

Društvo za telekomunikacije



**Organizers:**

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