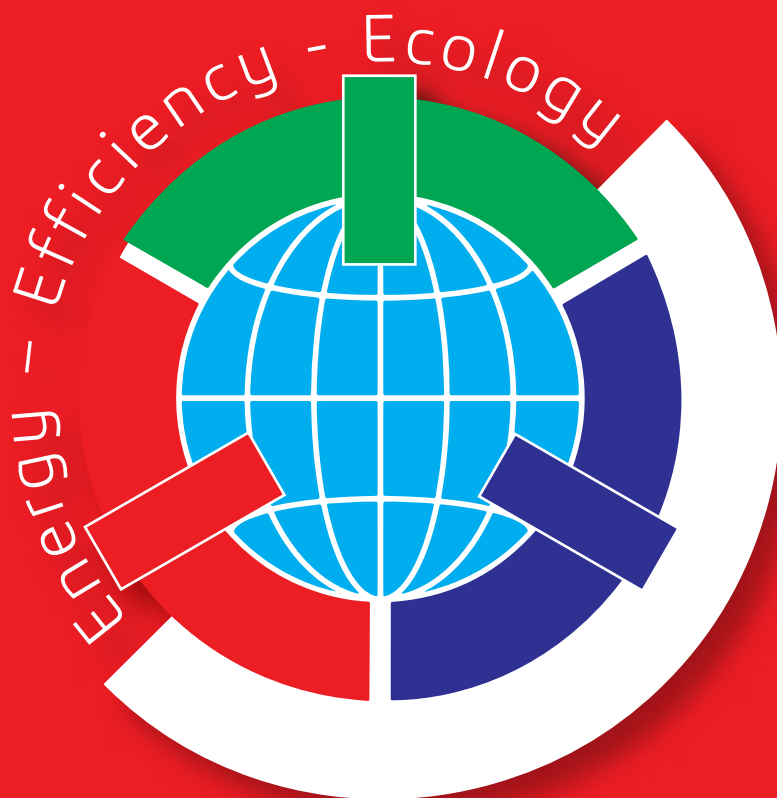


19th International Conference on Thermal Science and Engineering of Serbia

Sokobanja, October 22-25, 2019



SIMTERM 2019

The second call



UNIVERSITY OF NIŠ
FACULTY OF MECHANICAL ENGINEERING IN NIŠ
DEPARTMENT OF THERMAL ENGINEERING
AND
SOCIETY OF THERMAL ENGINEERS OF SERBIA

CONFERENCE TOPICS

1. Energy sources and potentials
2. Technologies and plants (furnaces, boilers, combustion chambers, burners for solid, liquid and gaseous fuels, dryers, engines, turbines, equipment and devices of chemical industry, etc.)
3. New and renewable energy sources (biomass, solar energy, geothermal energy, wind energy, fuel cells)
4. Energy efficiency in industry, civil engineering, communal systems and traffic (devices, equipment, systems, materials)
5. Flow, heat and mass transfer, combustion (on high temperatures, in single and two-phase systems, in fluidized systems, in energy, chemistry and chemical apparatuses and plants, in buildings, agriculture, environment, turbulent heat and mass transfer – turbulence models, CFD technologies, etc.)
6. Testing of operating plants (regime parameters, operation problems diagnostics, efficiency, etc.)
7. Experimental investigation of processes (on laboratory apparatuses, pilot plants, demonstration plants and in real plant in work)
8. Mathematical modelling and numerical simulation (of processes, devices, equipment, plants, systems, steady and transient processes, regulation, etc.)
9. Rational energy use (in industry, agriculture, usage of energy potentials, fuel replacement, pinch methodology, reducing of specific consumption, etc.)
10. Environmental protection (emission, fuel replacement, new processes and constructions, equipment for purifying water and gasses – removing of SO₂, NO_x, solid particles and other pollutants).
11. Reliability of processes, equipment and plants
12. Automatics and control of processes
13. Water, air and soil quality management
14. Expert systems
15. Energy management in industry and buildings



INTERNATIONAL SCIENTIFIC COMMITTEE

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Dr Mikhail Shatrov, full professor, **Russia**
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Dr Vladimir G. Tuponogov, full professor, **Russia**
Dr Vladimir Mijakovski, full professor, **North Macedonia**
Dr Violeta Rasheva, full professor, **Bulgaria**
Dr Oleh Onysko, associate professor, **Ukraine**
Dr Lubomir Dimitrov, full professor, **Bulgaria**
Dr Birol Kilkis, full professor, **Turkiye**

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Dr Gradimir Ilić, full professor
Dr Zoran Boričić, full professor
Dr Žarko Stevanović, scientific advisor

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Milica Jović, teaching assistant
Dr Saša Pavlović, assistant researcher
Dr Marko Mančić, assistant researcher
Dragana Dimitrijević Jovanović, junior researcher
Dr Ivan Pavlović, assistant professor
Jovan Škundrić, teaching assistant
Danijela Stanisavljević, economist
Jovan Milić, student
Marko Vučetić, student
Katarina Jovanović, student



KEY NOTE LECTURES

TUESDAY, October 22, 2019

Dr Petar Novak, full professor
University of Novo mesto, Faculty of
mechanical engineering, Novo mesto,
Slovenia

Dr Xiao-Jun Yang, full professor
University of Mining and Technology,
State Key Laboratory for Geomechanics
and Deep Underground Engineering,
China, Jiangsu, China

Dr Anna Stoppato, associate professor
University of Padova, Department of
Industrial Engineering, Padova, Italy

Dr Zvonimir Guzović, full professor
University of Zagreb, Faculty of
Mechanical Engineering and Naval
Architecture, Zagreb, Croatia

WEDNESDAY, October 23, 2019

Dr Miloš Banjac, assistant minister
Ministry of Mining and Energy, Sector for
Energy Efficiency and Renewable Energy
of the Republic of Serbia, Belgrade, Serbia

Ljubo Mačić, special advisors
Economics Institute, Belgrade, Serbia

Dr Miodrag Mesarović, secretary general
Serbian World Energy Council Member
Committee, Belgrade, Serbia

Dr Miomir Jakšić, full professor
University of Belgrade, Faculty of
Economics, Belgrade, Serbia

PRELIMINARY PROGRAM

TUESDAY, October 22, 2019

CONFERENCE OPENING

PLENARY SESSION

WELCOME COCKTAIL

WEDNESDAY, October 23, 2019

PANELS:

- Implementation The System Of Energy Management In The Industry - Effects And Challenges
- Current Status and Perspectives of Thermal Power Plants in Serbia
- Current Status and Perspectives of District Heating in Serbia

PRESENTATIONS OF SCIENTIFIC PAPERS

CULTURAL EVENING

THURSDAY, October 24, 2019

PRESENTATIONS OF SCIENTIFIC PAPERS

GALA DINNER WITH SPECIAL GUEST

LA CAMPANELLA MUSIC

FRIDAY, October 25, 2019

PRESENTATIONS OF SCIENTIFIC PAPERS

CLOSING CEREMONY

CONFERENCE FEE

For authors who submit papers the registration fee will be 100 € (12.000 RSD).

The fee will cover the Conference Proceedings, Book of Abstracts, CD, banquet cost, etc.

All papers presented on the Conference will be published in the electronic form, with ISBN. Papers should be submitted to: simterm@masfak.ni.ac.rs

Partner journals of the Conference are: Thermal Science, Facta Universitatis, Termotehnika. Please visit our website: <http://simterm.masfak.ni.ac.rs>

Official Conference language is English.



IMPORTANT DATES

05.07.2019

Conference abstract submission

19.08.2019

Conference paper submission



CONFERENCE LOCATION

19th Conference of Thermal Science and Engineering of Serbia will be held in Sokobanja. The first ecological town and spa in Serbia represent one of the greatest reservoirs of the oxygen in Europe. Its geographical position is offering the possibilities of walks in the open air through its abundant forests.

Accommodation prices are given at Hotel "MORAVICA"

Rudnička 4

18230 Sokobanja

Phone: +381 (18) 880-600

[Http://hotelmoravica.weebly.com/](http://hotelmoravica.weebly.com/)

CONTACT

The correspondence should be performed over Conference Organizing Committee. Contact person is Prof. Mirjana Laković-Paunović, PhD University of Niš, Faculty of Mechanical Engineering Niš, Department of Thermal Engineering Aleksandra Medvedeva 14, 18000 Niš-Crveni Krst, Serbia Phone: +381 18 500 646; Fax: +381-18-588-199; +381-18-588-244

