

## Introduction

**Dear colleagues:**

Department of Thermal Engineering of the Faculty of Mechanical Engineering in Niš and the Society of Thermal Engineers of Serbia, continuing scientific research in the field of Energy – Efficiency – Ecology, organize the International Symposium on Thermal Science and Engineering of Serbia – SIMTERM 2017, under the patronage of the Ministry of Education, Science and Technological Development of the Republic of Serbia. It is expected that SIMTERM 2017 will gather researchers, engineers, experts, representatives of local and central government and companies from Serbia and abroad, interested in the exchange of scientific and practical information and experience from the thematic fields.

In the past years, the economy has shifted towards a market economy, private ownership, and intensive foundation (establishment) of small and medium enterprises. In the strategy of scientific and technological development of the Republic of Serbia, the greatest attention is given to investing in science and technology, which is the only way for Serbia to establish a sustainable society and economy, with the focus on implementing the results from basic and applied research. Market orientated research will have priority in the future, and its contribution will be measured by the increase in GDP.

After the additional review, chosen papers are going to be published in the journals: *Thermal Science*, *Facta Universitatis*, *Termotehnika* and *Annals of Faculty Engineering Hunedoara*.

The International Symposium with the accompanying exhibition of equipment and achievements, under the title of:

*Energy – Efficiency - Ecology*

will be held in **Sokobanja, on October 17-20, 2017.**

We are inviting you and looking forward to your participation in the 18<sup>th</sup> Symposium on Thermal Science and Engineering of Serbia.

President of the Organizing Committee

**Prof. Mirjana Laković-Paunović, PhD**

## Symposium Topics

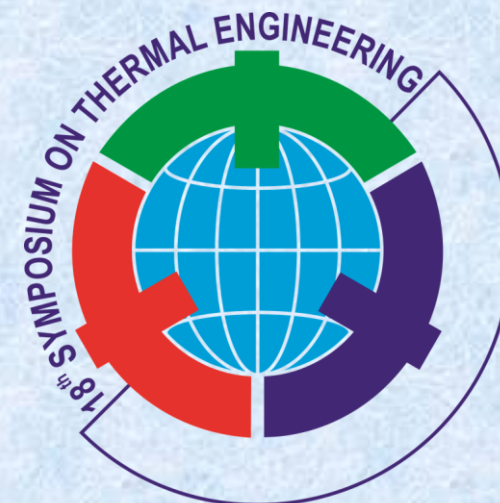
1. **Energy sources and potentials**
2. **Technologies and plants** (furnaces, boilers, combustion chambers, burners for solid, liquid and gaseous fuels, dryers, engines, turbines, equipment and devices of chemical industry, etc.)
3. **New and renewable energy sources** (biomass, solar energy, geothermal 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, availability, reliability, pollutant emission, etc.)
7. **Experimental investigation of processes** (on laboratory apparatuses, pilot plants, demonstration plants and in real plant in work)
8. **Mathematical modeling and numerical simulation** (of processes, devices, equipment, plants, systems, steady and transient processes, regulation, etc.)
9. **Rational energy usage** (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 SO<sub>2</sub>, NO<sub>x</sub>, 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**

University of Niš  
Faculty of Mechanical Engineering in Niš  
Department of Thermal Engineering

and

Society of Thermal Engineers of Serbia

are organizing



**2017  
SOKOBANJA  
SERBIA**

**18<sup>th</sup> International Symposium on  
Thermal Science and Engineering  
of Serbia**

under title

***Energy – Efficiency – Ecology***

**Sokobanja  
October 17-20, 2017**

## Basic information

18<sup>th</sup> International Symposium on Thermal Science and Engineering of Serbia will be held in Sokobanja, on October 17-20, 2017.

The official language is English.

The abstract must have 150-200 words, giving general information about the achievements and objectives of the paper, experimental techniques, methods applied, significant results and conclusions (see instructions for manuscript preparation on the symposium website).

## Important dates

Abstract submission:	30.04.2017
Abstract acceptance notice:	15.05.2017
Final paper submission:	01.07.2017

## Paper submission

Papers will be reviewed. Only the reviewed papers will be included into Symposium Program. Abstracts of the presented papers will be printed in the Book of Abstracts. Papers will be published in the electronic form, on the Symposium Proceedings CD. Papers should be submitted to:

[simterm@masfak.ni.ac.rs](mailto:simterm@masfak.ni.ac.rs)

After the additional review, chosen papers are going to be published in the journals: Thermal Science, Facta Universitatis, Termotehnika and Annals of Faculty Engineering Hunedoara.

Please visit our website:

<http://simterm.masfak.ni.ac.rs>

## Contact

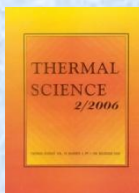
The correspondence should be performed over Symposium Organizing Committee. Contact person is:

**Prof. Mirjana Laković-Paunović, PhD**

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## Partner journals



**Thermal Science**  
International Scientific Journal



**Facta Universitatis**



**Termotehnika**



**Annals of Faculty Engineering Hunedoara**  
International Journal of Engineering

## Symposium Fee

For **authors** who submit papers the **registration fee** will be **100 € (12.000 RSD)**. The **fee** will cover the Symposium Proceedings, Book of Abstracts, CD, banquet cost, etc.

**Accommodation prices are given at:**

<http://hotelmoravica.weebly.com/>

**Contact:**

Tel: +381 (18) 880-600

