

Faculty of Mechanical
Engineering 11000
Belgrade, Serbia

„International Conference
of Experimental and
Numerical Investigations
and New
Technologies“



CNN Tech²⁰²⁰

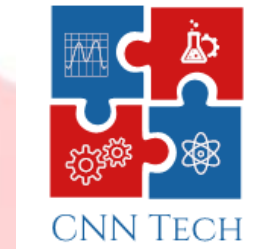


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Proceedings of selected papers from CNN 2019



published by



organized by

	Faculty of Mechanical Engineering University of Belgrade
	Innovatino center of Faculty of Mechanical Engineering
	Center for Business Trainings

„International Conference of
Experimental and Numerical
Investigations
and New Technologies“

sponsored by
Ministry of Education, Science and Technical
Development of the Republic of Serbia

29 Jun - 02 July 2020

Zlatibor, Serbia

Call for Abstracts and Papers

International Conference of Experimental and Numerical Investigations and New Technologies

Idea for establishment of **International Conference of Experimental and Numerical Investigations and New Technologies** was initiated by University of Belgrade Faculty of Mechanical Engineering and Innovation center of Faculty of Mechanical Engineering. The conference aim is to provide platform for Students, Engineers, Researches and Scientists to enhance their knowledge as well to share their knowledge and ideas in the field of Engineering, Science and Technology.

REGISTRATION INFORMATION

Early bird Registration (until Jun 01, 2020)	320 €
Late Registration (until Jun 20, 2020)	400 €
Onsite Registration	400 €
Early bird Student ¹ Registration	120 €
Late Student ¹ Registration	150 €
Onsite Student ¹ Registration	180 €

¹Student registration forms must be accompanied by a signed letter from head of department attesting to student's status.

The registration fee includes:

- Access to the Conference sessions, Poster area and Workshops
- All conference documents and certificate of attendance
- Lunch and mid-session refreshments as scheduled in the Conference program
- Conference dinner



SCOPE OF THE CONFERENCE

1. **Mechanical Engineering:** Structural Integrity, Fracture and Fatigue, Analytic methods for Engineering Design, Hydropower plants and equipment, Thermal Power Plants, Green Energy, Renewable energy
2. **Engineering Materials:** Nanomaterials, Design of Welded Structures, Materials for strategic application (space, defense, nuclear), Composite materials, Iron and steel extraction and processing, Biomaterials
3. **Chemical and Process Engineering** Chemical Engineering, Biofuels in Combustion Processes, Chemical and Biochemical operations and Reactors, Design, Construction and operation of processing systems, Water treatment, Organic chemistry and polymers, Equipment and Maintenance.
4. **Experimental Techniques:** Experimental Fluid Mechanics and thermodynamics, Result processing, DIC
5. **Numerical Methods:** Optimization Techniques Applied to Engineering problems, Data science, Fluid dynamics, Heat transfer and porous media flow, Computational chemistry, Computational biology and medicine
6. **New Technologies:** Advanced Technologies and their Applications in Engineering, production, Intelligent manufacturing systems, Robotics
7. **Clear sky:** Sustainable cities, Aerodynamics for clearer skies, Novel materials & structures, Eco design & manufacturing, Transport & propulsion
8. **Ship & Maritime Research:** Inovative Material Design for Marine Engine and Components, Sustainability in construction, Sustainability in operation, Stanibility and safety
9. **Dental Materials and Structures (Dr Vesna Miletic, mini-symposium Chair):** Restorative Materials, Digital Dentistry, Dental 3D printing, FEM in Dentirsty
10. **Sustainable Design and New Technologies:** Cad/Cam/CAE Technology and Design Tools, Virtual Reality in Education – Class VR, Environmental Sustainable Design and Circular Economy, Design Management, Innovation and Quality, Computational Design and Digital Fabrication, Reusing and Upcycling Materials

INFORMATION

Zlatibor is an important tourist area situated in the western part of Serbia. An extraordinary beautiful mountain with a pleasant climate, with spacious sloping grounds, rich pasture grounds and mountain peaks. Just a little out of the mountain center you can go on an adventure and explore the beauty of that nature and cultural and historical heritage. More about Zlatibor at <http://www.zlatibor.org.rs/en>.

Accommodation

The participants will be accommodated in hotel Mona, average price 59 Euro for single and 36 Euro for double bed room (per person).

<http://www.monazlatibor.com/>

Further information's are available at:

www.cnntechno.com

E-mail address: cnntechno@gmail.com

