**INTERNATIONAL CONFERENCE**

**INDUSTRIAL ENGINEERING AND ENVIRONMENTAL PROTECTION 2015**

Organization: UNIVERSITY OF NOVI SAD - TECHNICAL FACULTY "MIHAJLO PUPIN", ZRENJANIN, SERBIA

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FRAMEWORK SCIENTIFIC TOPICS OF THE CONFERENCE:


2. **Engineering environmental protection and safety at work**: Environmental protection and sustainable development, working environment, industrial ventilation, heating, ventilation, dust collection, Advanced systems of protection, Rational use of energy, Renewable energy, biomass, biodiesel, geothermal, wind energy, solar energy. System design environment, air quality monitoring, Assessment of risk compromising the environmental situation, Analysis of data on the state of the environment, Process equipment for environmental protection, safety at work - industrial systems, Recycling and energy efficiency. HVAC - Air Conditioning Heating Refrigeration industry. Technical systems to protect water quality and air. Legal and economic aspects of environmental protection system.


5. **Design and maintenance of process plants**: Planning and construction of process facilities, Technology maintenance, Design process, Biotechnology, Computers and their role in the design. Characteristics of process equipment. Production testing and installation of process equipment, (Process Equipment Operation) - solutions to problems in engineering practice, display completed projects in the economy, the progress of technology in industrial processes and production. Design, operation and maintenance of facilities and equipment in areas of heating, ventilation, air conditioning. Projects in the field of rational use of energy (alternative energy sources, new technologies, production management and energy consumption), Process and energy systems and facilities. Projects to reduce energy consumption in the industry. Projects of technological systems. Projects process and thermal systems.

6. **Basic operations, machinery and processes**: Machines and apparatus: mechanical and hydro operations (conveyors, sedimentation tanks, filters, centrifuges, mixers, pressure vessels), machinery and appliances with heat exchange (heat exchangers, condensers, cooling towers), Machinery and devices with diffusion operations (distillation, rectification, kuing, crystallization), machinery and appliances with the operation of mass transfer (drying and dryer ...), Piston and turbo machinery (pumps, compressors, fans, motors, steam turbines), Steam boilers, Process and equipment for the heat production, Power engineering in plants and pumping stations, systems and components, analysis of the quality of the plant. Installations and systems for processing and supply of drinking water and industrial water supply, transportation and storage.
7. **Oil and gas industry:** Exploration and production of oil and gas. Maintenance and repair of facilities and equipment. Construction of oil and gas pipelines. The preparatory works for the construction and repair of drilling wells. Oil and gas pipeline system and compressor stations. Storage facilities and oil and gas petroleum products. Project installation and equipment for gas techniques for the production. Storage, transport and use of natural and other flammable gases.


9. **Biotechnology:** Biotechnology Process Design, Development and application of biotechnology, biotechnology products, raw materials in biotechnological processes, biotechnological processes in energy, alcohol production process, the biogas production process, bioreactors, biotechnology processes and apparatus, equipment and processes materials for sterilization.


**SUBMISSION OF PAPERS:** Authors need to register and submit papers no later than 30.09.2015.

**SCOPE OF WORK:** Up to 6 pages (Times New Roman 11), A4, text is in English. (See the instruction for preparing the work).

**REGISTRATION:** Participants: 80 € per paper. Presenting sponsor and advertising at the meeting: 80 €. Sponsor set: 100 €, (said the proceedings).

**ACCOMMODATION:** The participants of the scientific meeting provides accommodation in these or other hotels: Vojvodina, Zrenjanin: www.booking.com/Hotel-Vojvodina Tourist center of Zrenjanin, www.zrenjanintourism.org

Registration of participants: 15. - 16. 10. 2015. 
Opening ceremony: 16. 10. 2015, at 10 am.

**INFORMATION, REGISTRATION AND SUBMISSION:** ieep@tfzr.uns.ac.rs