

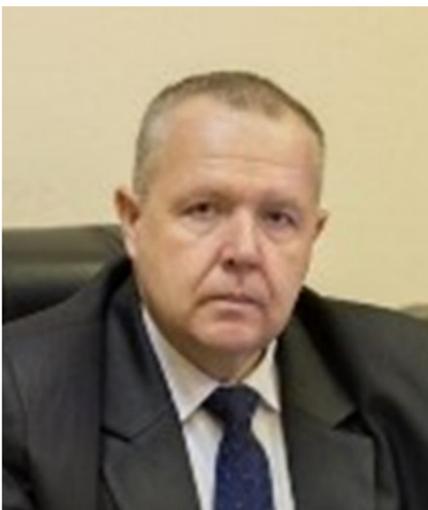


SVEUČILIŠTE U ZAGREBU
METALURŠKI FAKULTET

UNIVERSITY OF ZAGREB
FACULTY OF METALLURGY

POZIV NA PREDAVANJE

U utorak, **24. listopada 2017.**, ugledni znanstvenici i profesori iz područja metalurške energetike s National Metallurgical Academy of Ukraine, Faculty of Mechanical Engineering, Department of Ecology, Heat-Transfer and Labour Protection u vremenu od **8,30 do 10** sati na Metalurškom fakultetu Sveučilišta u Zagrebu u **predavaonici br. 1** održat će dva predavanja u sklopu svog boravka u okviru ERASMUS+ PARTNER-SKE ZEMLJE programa mobilnosti.



Naslov predavanja: Osnovne informacije o instituciji, nastavi
i znanstvenoistraživačkom radu

Predavač: prof. Yeromin Oleksandr Olegovich

Naslov predavanja: Kontinuirano lijevanje

Predavač: izv. prof. Brovkin Vladimir Leonidovich



Yeromin Oleksandr Olegovych
Department manager
doctor of engineering's sciences, professor

Works in NMetAU since 1989 at the Department of HEEMF. Author of more than 70 scientific papers in the field of metallurgical heat engineering, fuel usage and improve the theory of calculation and design thermal units. Member of the State Examination Commission for the Protection of final qualifying works.

Academic subjects which are taught in NMetAU:

1. Thermal (heat and mass transfer).
2. Metallurgical furnaces.
3. Design of thermal units.
4. Thermodynamics and thermotechnics.
5. Theory of heat and mass transfer.
6. Hydrodynamics.
7. Theory of furnaces.

Current research:

1. Heat Recovery of flue gases of industrial furnaces.
2. Environmental and economic aspects of energy conservation.
3. Heating of materials in counter-current.
4. Development of the rational modes of industrial furnaces.

Brovkin Vladimir Leonidovich
candidate of technical science, assistant professor

Works in NMetAU since 1980. The author of a monograph, 2 textbooks, 4 inventions, as well as about 80 scientific publications in the field of heat engineering and power engineering of metallurgical production, including 30 articles in scientific and technical journals and collections of papers.

Academic disciplines taught at NMetAU:

1. Heating engineering.
2. Theoretical basis of flow of the liquid and gas.
3. Mathematical methods and models of power equipment in the computer calculations.
4. Metallurgical furnaces.
5. Scientific and pedagogical practicum.

The direction of scientific papers:

1. Equipment and technology of steelmaking: mathematical modeling of heat transfer in continuous casting machine; the development of energy-efficient technologies for producing steel in steel-making furnaces.
2. Furnace and rolling mill technology and thermal production: mathematical modeling of heat transfer in the fiery in flaming chamber and communicating furnaces; the development of resource-and energy-efficient modes of heating the metal in the furnace; the development of

non-standard constructions of furnaces, the formation of nitrogen oxides from fuel combustion.

3. High-temperature thermomechanical treatment of rolled steel: mathematical modeling of heat transfer in accelerated cooling of the metal during the rolling process, the development of devices and modes of accelerated cooling products.

4. Combined technologies in a chain: steel - rolling - heat treatment: calculations of heat and material balances of thermal units, the development of resource-and energy-saving concepts in metal production.