

POZVANA PREDAVANJA

UTORAK, 15.6.2010.

9.00 - 11.00

Izv. prof. dr. sc. Primož Mrvar, Naravoslovnotehniška fakulteta Univerze v Ljubljani, Oddelek za materiale in metalurgijo:

Calculation of castings process with finite element method and finite difference method with examples from technological praxis in frame of ProCast and Quickcast

- a) Gravity casting in sand moulds
- b) Gravity die cast
- c) Tilt casting
- d) High pressure die casting
- e) Centrifugal casting with horizontal and vertical axis of rotation
- f) Investment casting

11.00 - 13.00

Izv. prof. dr. sc. Jožef Medved, Naravoslovnotehniška fakulteta Univerze v Ljubljani, Oddelek za materiale in metalurgijo:

Examination methods in a thermodynamics of materials

- a) Thermal analyses (Differential scenic calorimetrie)
- b) Electro-chemical measurements (Oxygen activity probe)

ČETVRTAK, 17.6.2010.

9.00 - 11.00

Izv. prof. dr. sc. Jožef Medved, Naravoslovnotehniška fakulteta Univerze v Ljubljani, Oddelek za materiale in metalurgijo:

Thermodynamic modeling of aluminum alloys

11.00 - 13.00

Izv. prof. dr. sc. Primož Mrvar, Naravoslovnotehniška fakulteta Univerze v Ljubljani, Oddelek za materiale in metalurgijo:

Solidification of cast iron alloys and influence of solidification morphology on microstructure, feeding and flowability (Lecture is synthesis of innovative in situ dilatation analyses and other standard examination methods)