



(1837-1907)

University of Miskolc

FACULTY OF MATERIALS SCIENCE AND ENGINEERING

Antal Kerpely Doctoral School of Materials Science & Technology

January 30, 2020.

2019/20. academic year, fall semester research seminar

Programme

„Section of the foreign students” - Metallic

Venue: University of Miskolc, Mihaly Kaldor Lecture Room (Building B/1, Ground floor, Room 8.)

Chairman: Prof. Dr. Krállics György

SESSION: HIGH TEMPERATURE EQUIPMENT AND HEAT MANAGEMENT – Leader: Dr. Árpád Bence Palotás

9⁰⁰-9²⁰ ***Bilal El-Mrabate***

Development of Cellulose-Based Photoactive Nanohybrid Membranes for Water Purification

9²⁰-9⁴⁰ ***Mai Duc Thuan***

The Effects of Temperature and Steam on Lab-Scale Single-Stage Fixed-Bed Gasification of Hungarian Brown Coal

9⁴⁰-10⁰⁰ ***Truong Phi Dinh***

Behaviour and Treatment of Metals in Burning System During Biomass Combustion – Literature Review

SESSION: PHYSICAL METALLURGY, HEAT TREATMENT– Leader: Dr. Valéria Mertinger

10⁰⁰-10²⁰ ***Kassab Al-Omari***

Investigation of Al-Si Eutectic in Stirred Al-Si Alloys

SESSION: INTERFACIAL- and NANOTECHNOLOGY – Leader: Dr. György Kaptay

10²⁰-10⁴⁰ ***Dheeraj Varanasi***

Cracking Observed in Steel/Cu/Steel Brazed Joints as Function of Time and Phases Observed

10⁴⁰-11⁰⁰ ***Ei Ei Khine***

Comparison of Pure Calcium Oxide and Iron (III) Oxide Doped Calcium Oxide Nanoparticles

11⁰⁰-11²⁰ ***Lahmaid Hamid***

Development of High Thermal Conductivity Phase Change Composites Using Carbon Fiber

11²⁰-11⁴⁰ ***Kanokon Nuilek***

Investigation the Effect of Activation and Exfoliation to Carbon Nanosheets Properties

SESSION: METALFORMING – Leader: Dr. György Krállics

11⁴⁰-12⁰⁰ ***Mahmood Hasan Alhafadhi***

Simulating Welding Residual Stress in a Multi-Pass Pipe Welded Joint

SESSION: CHEMICAL METALLURGY – Leader: Dr. Tamás Kékesi

12²⁰-12⁴⁰ ***Hanna Zakiyya***

The Regeneration of Pickling Liquor from Hot Dip Galvanizing and the Recovery of Pure Zinc by Combining Anion Exchange and Membrane Electrolysis

12⁴⁰-13⁰⁰ ***Mohammed Hawkar Jalal***

Surface Modification of Iron Base Alloys by Hot Dip Aluminizing for Enhancing their High Temperature Corrosion Resistance

RESEARCH SEMINAR