



(1837-1907)

University of Miskolc

FACULTY OF MATERIALS SCIENCE AND ENGINEERING

Antal Kerpely Doctoral School of Materials Science & Technology

January, 26, 2017.

2016/17-academic year, fall semester 1<sup>st</sup> research seminar

Programme

„Section of the foreign students”

**Venue:** University of Miskolc, Mihály Káldor lecture hall (Building B/1, ground floor, Room 8.)

**Chairman:** Dr. György Kaptay

**SESSION: CHEMICAL METALLURGY – Leader: Dr. Tamás Kékesi**

9<sup>00</sup>-9<sup>20</sup> *Shaymaa A. Alnaiely*  
Mitigation of corrosion in steel reinforced concretes (with green inhibitors)

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

9<sup>20</sup>-9<sup>40</sup> *Dheeraj Varanasi*  
The role of dewetting in lead-free soldering: Literature review

9<sup>40</sup>-10<sup>00</sup> *Al-Azzawi Ali Hussein Hasan*  
Mechanical Activation of Niobium Carbide and Silicon in Stirred Media Mill

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

10<sup>00</sup>-10<sup>20</sup> *Manoj Kumar Pal*  
Development of nanoparticle reinforced lead-free solders nano-composite material

10<sup>20</sup>-10<sup>40</sup> *Mahmood Hasan*  
Study on residual stress field and microstructure of oil pipe welds

**SESSION: SPACE MATERIALS and TECHNOLOGIES– Leader: Dr.Pál Bárczy**

10<sup>40</sup>-11<sup>00</sup> *Thirupathi Kalaivanan*  
Trivalent based chromate conversion coating for space oriented industrial application

**SESSION: CERAMICS AND TECHNOLOGIES – Leader: Dr. László A. Gömze**

11<sup>00</sup>-11<sup>20</sup> *Mohammed Abed*  
Influence of Recycled Aggregate Concrete on the Properties of Lightweight Concrete

11<sup>20</sup>-11<sup>40</sup> *Kanokon Nuilek*  
Literature Review: Development of Aluminium Matrix Composite by Powder Metallurgy

**SESSION: POLIMERSTECHNOLOGIES – Leader: Dr. Kálmán Marossy**

11<sup>40</sup>-12<sup>00</sup> *Ali Ibrahim Moslem Maeni*  
Flame retardant behaviour of plasticised PVC

12<sup>00</sup>-12<sup>20</sup> *Patcharapon Somdee*  
Literature Review of High Thermal Conductivity Filler Composites

**SESSION: CHEMICAL PROCESSES and TECHNOLOGY– Leader: Béla Dr. Viskolcz**

12<sup>20</sup>-12<sup>40</sup> *Rachid Hadjadj*  
Theoretical and experimental study on industrial methanol synthesis (point of view energy storage): Literature Review

12<sup>40</sup>-13<sup>00</sup> *Wafa Cheikh*  
Data house of Polyurethane a combined theoretical and experimental methods- Literature Review

RESEARCH SEMINAR