

Lunch Break







International Seminar on Advanced Structural Materials

October 20 – 22, 2019 Prague, Czech Republic

Program

October 20 (Sunday)				
10:00 - 12:00	Guided city tour, meeting on Hradčanské náměstí at large green lantern			
14:00 - 17:00	Round-table discussion: Collaboration between Charles University and Kumamoto University			
October 21 Faculty of Math	(Monday) nematics and Physics, Charles University, Ke Karlovu 3, 2nd floor (rear staircase), room M252			
09:00 - 09:20	Prof. Jan Trlifaj , vice-dean of the Faculty of Mathematics and Physics, Charles University Prof. Yoshihto Kawamura , director of Magnesium Research Center, Kumamoto University			
	Prof. Robert Král , head of Department of Physics of Materials, Faculty of Mathematics and Physics, Charles University			
	Welcome speech			
09:20 – 09:45	Prof. Yoshihito Kawamura MRC, KU Introduction of LPSO-type and C36-type Mg alloys developed at KU			
09:45 – 10:10	Prof. František Chmelík Exploring Thermal Loading of Hybrid and Ceramic Composites by the Acoustic Emission Technique			
Coffee Break				
10:30 – 10:55	Prof. Shinji Ando MRC,KU Activity of non-basal slips in magnesium alloys			
10:55 – 11:20	Prof. Patrik Dobroň DPM, CU Acoustic Emission Study of Active Deformation Mechanisms in Mg Alloys			
11:20 – 11:45	Prof. Kristián Máthis DPM, CU Synergy of in-situ methods in study of deformation mechanisms of Mg alloys			

Restaurant Legenda, Legerova 1820/39, Praha 2









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14:00 – 14:25	Prof. Michiaki Yamasaki Ongoing research for the LPSO-typed Mg	MRC, KU alloys in Japan	
14:25 – 14:50	Dr. Klaudia Horváth-Fekete Investigation of the effect of the LPSO-commagnesium alloys by in-situ methods	DPM, CU tent on the deformation mechanisms in Mg-Y-Zn	
14:50 – 15:15	Prof. Tsuyoshi Mayama	MRC, KU	
	· ·	ranular misorientations during compression of LPSO	
15:15 – 15:40	Dr. Takao Tsumuraya	MRC, KU	
	· · · · · · · · · · · · · · · · · · ·	se stability of Mg alloys with long-period stacking	
Coffee Break			
16:20 – 18:00	Panel discussion, present and future of magnesium alloys development		
18:00	Dinner / Welcome party		
	Klášterní pivovar Strahov (Sv. Norbert),		
	masterin product stranov (Sv. 14010e1t);		

October 22 (Tuesday)

Lunch Break

Faculty of Mathematics and Physics, Charles University, Ke Karlovu 3, 2nd floor (rear staircase), room M252

Strahovské nádvoří 301/10, 118 00 Praha 1

Restaurant Legenda, Legerova 1820/39, Praha 2

10:00 – 10:25	Prof. Zuzanka Trojanová Anisotropy of Mechanical and Physical Pro Prepared by SPD Methods	DMP, CU operties of Magnesium Alloys and Composites
10:25 – 10:50	Dr. Hiromoto Kitahara Structure and mechanical properties of Zine	MRC, KU c deformed by SPD process
10:50 – 11:15	Dr. Tomáš Krajňák Microstructure, texture and mechanical pro	DPM, CU perties evolution in ECAP processed AX41 alloy
11:15 – 11:40	Dr. Michal Knapek Mechanical properties of novel Mg alloys I	DPM, CU prepared by Spark Plasma Sintering









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13:00 – 13:25	Prof. Donald Shih Potential Usage of Advanced Mg Alloys i result transition	MRC, KU n Aerospace - Methodology to accelerate the R&D	
13:25 – 13:50	Dr. Daria Drozdenko	MRC, KU	
10.20	Optimization of mechanical properties of ra		
13:50 – 14:15	Dr. Peter Minárik	DPM, CU	
	From corrosion resistance measurement tov	wards biodegradable magnesium-based materials	
14:15 – 14:40	Dr. Shinichi Inoue	MRC, KU	
	Improvement of flammability in LPSO-type Mg alloys		

Coffee Break

15:20 – 18:00 *Laboratory tour*

Department of Physics of Materials, Faculty of Mathematics and Physics, Charles University,

Ke Karlovu 5, Praha 2

19:00 Dinner / Sayonara party

Restaurant Legenda, Legerova 1820/39, Praha 2