

**Wednesday  
19 May, 2021**

8:00					
9:00	9:30	T3(In)	Çetinkaya Tuğrul	<i>State of the art nanostructured cathode materials for lithium-oxygen batteries</i>	
9:30	9:45		T3	Yuliasari Fitri	<i>Improved DSSC performance with coral-like shape ZnO nanorods grown by using Zn(II)AA/ZnO-NP seed layer</i>
9:45	10:00		T3	Govatsi Katerina	<i>Photoelectrochemical water splitting of core/sheath nanowires based on ZnO and transition metal dichalcogenides</i>
10:00	10:15		T3	Bakandritsos Aristides	<i>Two-dimensional organic materials for energy and the environment</i>
10:15	10:30		T3	Kment Štěpán	<i>Hybrid nanostructures for (photo)electrochemical water splitting</i>
10:30	10:45	<b>15 min break</b>			
10:45	11:00	T6 (Optik Instruments)	Dombaycioğlu Şeyma	<i>Development of lithiated ion exchange membranes for Li-S batteries</i>	
11:00	11:15		T3	Gulyaeva Irina	<i>Study of the vertically oriented domain structure of nanosized PZT film</i>
11:15	11:30		T3	Matoušek David	<i>Modern FTIR spectroscopy techniques for characterization of ultra-thin films</i>
11:30	11:45		T3	Simha Martynková Gražyna	<i>Nanocarbons in composites</i>
11:45	12:00		T3	Sathish Sajjan Kumar	<i>Study of clay mineral composites for Lithium batteries</i>
12:00	12:15	T6 (Měřící technika Morava s.r.o.)	Lukeš Jaroslav	<i>Nanomechanical Characterization of Battery Materials</i>	
12:15	13:00	<b>45 min break</b>			
13:00	13:30	T5(In)	Rai Mahendra	<i>Biogenic silver nanoparticles: What we know and what we need to know?</i>	
13:30	14:00		T5(In)	Šafařík Ivo	<i>Magnetic materials in biosciences, biotechnology and environmental technology</i>
14:00	14:15		T5	Zinicovscaia Inga	<i>Assessment of metal nanoparticles accumulation in organs and their effect on cognitive abilities of mice</i>
14:15	14:30		T5	Lazaratou Christina Vasiliki	<i>Ca-palygorskite clay mineral for Fe2+ removal from water systems from molecular simulations point of view</i>
14:30	14:45	<b>15 min break</b>			
14:45	15:15	T5(In)	Piszter Gábor	<i>Chemically selective vapor sensing of structurally colored butterfly wings</i>	
15:15	15:30		T5	Kurtinová Sindy	<i>Hetero- and homo-aggregation of ZnO nanoparticles in different size fractions of colloids extracted from agricultural soil</i>
15:30	15:45		T5	Smykalová Aneta	<i>Graphitic carbon nitride prepared from different precursors for photocatalytic degradation of pollutants in water</i>
15:45	16:00		T5	Tokarčíková Michaela	<i>Experimental verification of regenerable magnetically modified montmorillonite and its application for heavy metals removal from metallurgical waste leachates</i>