



10th International conference Solid State Surfaces and Interfaces

**Preliminary Program of the SSSI
2018**

Smolenice Castle

Tuesday, 20 November 2018			
7:30 – 9:00	Breakfast		
Moderator:	Prof. Thomas Chasse		
9:00 – 9:40	Prof. Dietrich R.T. Zahn	Spectroscopy on Novel Cd-free Semiconductor Quantum Dots	Chemnitz University of Technology, Germany
9:40 – 10:20	Prof. Harri Lipsanen	Semiconductor nanowires for photonics	Aalto University, Finland
10:20 – 10:40	Coffee break		
10:40 – 11:20	Prof. Grzegorz Jung	Meyer-Neldel rule in the conductivity of low doped manganite systems	Ben Gurion University of the Negev, Beer-Sheva, Israel
11:20 – 12:00	Dr. Dušan Korytár	Surface quality, subsurface damage and mechanisms of material removal in nanomachining of brittle materials	Institute of Electrical Engineering SAS, Bratislava, Slovakia
12:00 – 12:40	Dr. Matej Jergel	Surface Finishing of X-ray Crystal Optics After Nanomachining	Institute of Physics SAS, Bratislava, Slovakia
12:40 – 13:40	Lunch		
Moderator:	Prof. Dietrich R.T. Zahn		
13:40 – 14:20	Dr. Nadia Saoula	Deposition of ZrO ₂ thin films by magnetron sputtering : Effect of plasma parameters	Centre de Developpement des Technologies Avancees, Alger, Algeria
14:20 – 15:00	Dr. Aarne Kasikov	Dispersion of ALD Cr ₂ O ₃ films in UV-VIS Region	Institute of Physics, University of Tartu , Estonia
15:00 – 15:40	Dr. Daniel Franta	Temperature dependent dispersion models applicable in solid state physics	Faculty of Science, Masaryk University, Brno, Czech Republic
15:40 – 16:00	Dr. Peter Stano	Theory and modeling of gated quantum dot qubits in GaAs: orbital and spin effects of the magnetic field	RIKEN, Center for Emergent Matter Science, Japan
16:00 – 16:20	Dr. Samira Sali	Synthesis and Characterization of TCOS (ZnO:Al and Nb: TiO ₂) thin film Deposited by Ultrasonic Spray Pulverization for Solar Cell Applications	DDCS Division, Centre de Recherche en Technologie des Semi-conducteurs pour l'Energétique (CRTSE), Algeria
16:20 – 16:40	Coffee break		
16:40 – 23:30	Visit of Opera in Slovak National Theatre, Bratislava: opera of Giuseppe Verdi: La Traviatta		
16:40 – 17:20	Prof. Wu Lu	Perovskite Oxide semiconductor Heterojunctions for Field Effect Transistor Applications	Department of Electrical and Computer Engineering, Ohio State University, USA
17:20 – 18:00	Prof. Ratiba Outemzabet		Université des Sciences et de la Technologie Houari Boumediene Faculté de Physique, Alger, Algeria
18:00 – 18:40	Assoc. Prof. Giovanni Piero Pepe		Universita di Napoli 'Federico II', Napoli, Italy
18:40 – 21:00	Dinner		