

## Invited speakers SURFINT-SREN 2021

- **Prof. Dietrich R.T. Zahn**, Technische Universität Chemnitz, Chemnitz, Germany

„Tip-enhanced spectroscopies for studying 2-dimensional semiconductors and their interfaces“

- **Dr. Jiří Vohánka**, Faculty of Science, Masaryk University, Brno, Czech Republic

„Characterization of randomly rough surfaces by the combined method of spectroscopic ellipsometry, spectroscopic reflectometry and angle-resolved scattering of light“

- **Prof. Yossi Paltiel**, Hebrew University of Jerusalem, Israel

„About chiral spintronics“

- **Prof. Vitaly L. Alperovich**, Institute of Semiconductor Physics, Novosibirsk, Russia

„Interaction of vicinal and dislocation-induced atomic steps on crystal surfaces“

- **Dr. Štefan Chromik**, Institute of Electrical Engineering SAS, Bratislava, Slovakia

„MoS<sub>2</sub> two dimensional system prepared by PLD method on different substrates“

- **Prof. Marco Fanciulli**, University of Milano – Bicocca, Milano, Italy

„Electrochemical characterization of the electrolyte/metal interface in microelectrodes for neuron stimulation and recording.“

- **Prof. Bert Stegemann**, HTW Berlin, University of Applied Sciences, Berlin, Germany

„Control and Beneficial Utilization of Laser-Induced Energy Input in Patterning of Chalcopyrite and Perovskite Solar Cells.“

- **Prof. Ivan Ohlídal**, Masaryk University, Brno, Czech Republic

„Optical characterization of inhomogeneous thin films with randomly rough boundaries using spectroscopic ellipsometry and spectroscopic reflectometry.“

• **Assoc. Prof. Nataliya L. Shwartz**, Russian Academy of Sciences, Novosibirsk, Russia  
„Local step bunching during the vicinal GaAs(111) substrate high-temperature annealing.“

• **Dr. Aarne Kasikov**, Institute of Physics, University of Tartu, Tartu, Estonia  
„Dispersion of titania TiO<sub>2</sub>-II high-pressure phase based on ellipsometric measurements.“

• **Prof. Roman Sobolewski**, Department of Electrical and Computer Engineering, University of Rochester, Rochester, USA  
„Coherent acoustic phonons in the Bi<sub>2</sub>Se<sub>3</sub> nanolayer system explored by femtosecond, optical pump-probe spectroscopy.“

• **Dr. Erik Piatti**, Department of Applied Science and Technology, Politecnico di Torino, Italy  
„Tuning quantum phases in transition metal dichalcogenides via ionic liquid gating-induced protonation.“

• **Prof. Harri Lipsanen**, Aalto University, Department of Electronics and Nanoengineering, Aalto, Finland  
„CVD graphene for flexible electronics applications.“

• **Joanna Bauer**, Wrocław University of Technology, Wrocław, Poland  
„Theranostic nanosystems for combating drug resistant pathogens.“