

AGENDA

17 October 2018, Wednesday

Venue: Auditorium SAS, Dúbravská cesta 9, Bratislava

8:00 – 8:30 **Arrivals**

8:30 – 8:35 **Welcome - SASPRO admin team**

8:35 – 8:45 **Opening address**

Šajgalík Pavol – President of Slovak Academy of Sciences

8:45 – 9:00 **Reitzner Daniel, Institute of Physics**

Title: Quantum Walks and Incompatibility

9:00 – 9:15 **Caglinec Michal, Biomedical Research Center**

Title: Mitochondria-endoplasmic reticulum functional interplay in Wolfram Syndrome: emerging role for heart and brain protection

9:15 – 9:30 **Szabó Miloslav, Institute of History**

Title: A Comparative Study on the Evolution of Modern Antisemitism in Austria and Slovakia, 1918-1938

9:30 – 9:45 **Bágeľová – Poláková Silvia, Centre of Biosciences**

Title: Characterization of novel genes involved in meiotic chromosome segregation

9:45 – 10:00 **Wünsche Michael, Institute of Construction and Architecture**

Title: Multiscale modeling of layered, fibre reinforced and porous magneto electric materials

10:00 -10:15 **Bábelová Andrea, Biomedical Research Center**

Title: Functional consequences of rental cell activation due to iron oxide and gold nanoparticle uptake

10:15 – 10:30 **Vojenčíak Michal, Institute of Electrical Engineering**

Title: Thermo-electrical stability of superconductors in unconventional cooling conditions

10:30 – 10:45 **Radwan Mohamed**, *Institute of Inorganic Chemistry*

Title: Transparent Luminescent Oxynitrides

10:45 – 11:00 COFFEE BREAK

11:00 – 11:15 **Ivanova Oleksandra**, *Astronomical Institute*

Title: Investigation of development of the physical activity of dynamical new comets over the wide range of heliocentric distances

11:15 – 11:30 **Peptu Cristian**, *Polymer Institute*

Title: Functional star architectures based on cyclodextrin cores and bioinspired synthetic arms for versatile drug delivery systems

11:30 – 11:45 **Dalberg Dirk Mathias**, *Institute of Political Sciences*

Title: The Political and Democratic Theories of the Czech and Slovak Dissent in the 1970s and 1980s

11:45 – 12:00 **Melnyk Inna**, *Institute of Geotechnics*

Title: Bifunctional silica and magnetite spherical particles with tailored porosity and surface chemistry for complex water treatment

12:00 – 12:15 **Habijanec Siniša**, *Ludovit Stur Institute of Linguistics*

Title: Phonological Development of the Slovak Language in light of the current state of historical linguistics

12:15 – 12:30 **Mruczkiewicz Michal**, *Institute of Electrical Engineering*

Title: Waves in Exotic Spin Textures

12:30 – 12:45 **Nemčovičová Ivana**, *Biomedical Research Center*

Title: Immune modulation by HCMV and its immunotherapeutic potential

12:45 – 13:45 LUNCH BREAK

13:45 – 14:00 **Prajapati Paresh**, *Institute of Physics*

Title: Monenergetic fast neutrons: Powerful tool for nuclear and material studies

14:00 – 14:15 **Prohászka Péter**, *Institute of Archaeology*

Title: Archival records about archaeological sites, finds and hoards from the territory of Slovakia

14:15 – 14:30 **Markovic Zoran**, *Polymer Institute*

Title: Antibacterial graphene/polymer nanocomposite

14:30 – 14:45 **Zvolenszky Zsolia**, *Institute of Philosophy*

Title: Proper names: Why go presuppositional?

14:45 – 15:00 **Palotas Krisztian**, *Institute of Physics*

Title: Development of scanning tunnelling microscopy simulation tools for spin transport

15:00 – 15:15 **Kozmon Stanislav**, *Institute of Chemistry*

Title: Ab initio molecular dynamics study of the glycosyltransferase reaction mechanism as a guide to inhibitors design

15:15 – 15:30 **Seiler Eugen**, *Institute of Electrical Engineering*

Title: Pinning in commercial coated conductors

15:30 – 15:45 **Nagaj Daniel**, *Institute of Physics*

Title: Local Hamiltonians in quantum complexity

15:45 – 16:00 COFFEE BREAK

16:00 – 16:15 **Komorovský Stanislav**, *Institute of Inorganic Chemistry*

Title: Moving relativistic quantum chemistry out of the shadow: Relativistic paramagnetic NMR

16:15 – 16:30 **Babchenko Oleg**, *Institute of Electrical Engineering*

Title: Design and Fabrication of Diamond-on-GaN Hybrid structures for MEMS devices

16:30 – 16:45 **Jakubíková Jana**, *Biomedical Research Center*

Title: Clonal architecture in development of MM and therapy induced intracolon heterogeneity in MM progression

16:45 – 17:00 **Goliáš Tereza**, *Biomedical Research Center*

Title: Targeting carbonic anhydrase IX and pyruvate dehydrogenase kinase 1 in hypoxic colorectal tumors

17:00 – 17:15 **Pap András**, *Institute for Sociology*

Title: Conceptualizing and operationalising ethnicity: Central-East European experiences

17:15 – 17:30 **Vozár Ján**, *Earth Science Institute*

Title: Multi-dimensional integrated geophysical-petrological modelling of the crust, and uppermost mantle for Europe region by structural joint inversion

*** The working language of the event is English (without interpretation)**