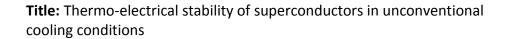


AGENDA

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	Cagalinec 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 **Vojenčiak Michal**, Institute of Electrical Engineering



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: Monenergistic 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 Zsofia**, 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







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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 intraclonal 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)