



ACCELERATE Satellite Session at

the International scientific conference

«ENVIRONMENTAL SAFETY OF THE CARPATHIAN EUROREGION»

that will be held in Uzhhorod May 14, 2020

Programme

Invited lectures:

Vladimir Matolin¹, Salma Baghdadi², Natalia Popovych³, Vitalii Bilanych³, Oleksandr Chobal³, Vasyl Rizak³

"CERIC-ERIC Outpost in Ukraine"

¹Department of Surface and Plasma Science, Nanomaterials group Charles University, Prague, Czech Republic

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Karol Flakhbart

Magneto-caloric cooling, an environmentally friendly way of refrigeration Institute of Experimental Physics, Slovak Academy of Sciences, Slovakia

M. Vorokhta¹, L. Piliai, I. Khalakhan¹, B. Smíd, P. Matvija, T. Skála¹, V. Matolín¹, I. Matolínová¹

In situ spectroscopic study of different greenhous gas elimination chemical reactions on ceria-based catalysts

¹Department of Surface and Plasma Science, Charles University, Prague, Czech Republic

Roman Gladyshevskii, Oksana Matselko

Electronic and geometric concepts for efficient synthesis of intermetallic catalysts

Department of Inorganic Chemistry, Ivan Franko National University of Lviv, Ukraine

Marian Kires

Online science education at university level

Pavol Jozef Šafárik University in Košice, Kosice, Slovakia

Volodymyr Roshko, Arpad Kron, Viktor Roshko

The ecological risks of transporting electricity through high voltage transmission lines

Uzhhorod National University, Uzhhorod, Ukraine

Michal Piasecki¹, Krzysztof Wojciechowski², Oleh Cherniushok ², Artem Pogodin³, Alexsander Kokhan³, Marian Sabov³, Igor Barchiy³

Influence of structure and phase transition on the thermoelectric features of the $Cu_7P(Se_{1-x}S_x)_6$

¹Institute of Physics, J.Dlugosz University, Częstochowa, Poland

Vladimír Komanický

Processes of charge accumulation in chalcogenide films under electron beam irradiation

Institute of Physics, Faculty of Science, Safarik University, Kosice, Slovakia

Igor Barchiy¹, Valeria Tovt¹, Michal Piasecki², Oleg Khyzhun³, Anatolii Fedorchuk⁴, Artem Pogodin¹

Complex Hexaselenodiphosphate(IV) in Tl₂Se–In₂Se₃–"P₂Se₄" System

¹Department of chemistry, Uzhhorod national university, Uzhhorod, Ukraine

Serhiy Korposh¹, Ivan Trikur², Mykhailo Sichka², Ivan Tsoma², Vasyl Rizak² **Bacteriorhodopsin as an environmentally friendly material for the needs of modern electronics and renewable energy**

¹The University of Nottingham, Nottingham, United Kingdom,

Leonid Dubrovinsky¹, Iryna Chobal², Anna Pakhomova³, Oleksandr Chobal², Dariia Simonova¹, Alexander Kurnosov¹, Volodymyr Adamiv⁴, Vasyl Rizak²

In situ high-pressure synchrotron X-ray diffraction study of the structural stability in LiKB₄O₇

Natalia Popovych¹, Natalia Tsud², Vladimir Matolin³, Vasyl Rizak¹.

Applications of the synchrotron radiation for the study of information biomolecules

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Vitalii Bilanych¹, Olexandr Feher², Vasyl Rizak¹

The thin film chalcogenide - materials for photovoltaic applications

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