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**ACCELERATE Satellite Session at
the International scientific conference
CLUSTERS AND NANOSTRUCTURED MATERIALS (CNM-6),
that will be held in Uzhhorod October 5-9, 2020**

Programme

Invited lectures:

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

“CERIC-ERIC Outpost in Ukraine“

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Gabriel Pristáš^a, Konrad Siemensemeyer^b, Natalya Shitsevalova^c, and Karol Flachbart^a

**Magnetic phases in two-dimensional geometrically frustrated Shastry-Sutherland system
TmB₄**

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Vladimir Matolin¹, Natalia Tsudi², Natalia Popovych³, Vasyl Rizak³

**Investigating the short range order of chalcogenide amorphous materials by photoelectron
spectroscopy**

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Leonid Dubrovinsky¹, Iryna Chobal², Anna Pakhomova³, Oleksandr Chobal², Aleksandr
Kurnosov¹, Volodymyr Adamiv⁴, Vasyl Rizak²

**Structural, mechanical and thermodynamic properties of lithium potassium tetraborate
crystals under high pressure: DFT calculations and synchrotron radiation X-ray
diffraction**

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M. Vorokhta¹, L. Piliai¹, I. Khalakhan¹, D. Tomeček², P. Fitl², M. Vrnáta², J. Lančok³, I. Matolínová¹, V. Matolín¹

Near ambient pressure XPS for in operando study of gas sensors

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Structure and properties of chalcohalogenide glasses and composites on their basis

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Elouadi B.¹, Barj M.², Gasinets S.M.^{3,4}, Guranich P.P.⁴, Makar L.I.³, Mykaylo O.A.³, Pop M.M.⁴, Rizak I.M.³, Rubish V.M.³, Solomon A.M.⁵

Nanocomposites with ferroelectric properties in As(Ge)-Sb-S(Se)-I system

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Kostyuk O.B.¹, Głowa Ł.², Naidych B.P.³, Tsymbalyuk T.P.³, Mezhylovska L.Y.³, Nykyruy L.I.³

Analysis of the Growth and Crystal Structure for Pb_{0.9}Cd_{0.1}Te:Pb Thin Films

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Lofaj F.¹, Bilanych V.S.², Bilanych B.V.², Rizak V.M.²

Investigation of laser induced effects in As-Se glasses and films based on them by nano- and microindentation methods

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Korposh S. O.¹, Trikur I. I.², Sichka M.Y.², Tsoma I. Y.², Rizak V. M.²

Bacteriorhodopsin as a biological material for optical recording, processing and security information.

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Zapukhlyak Z.R.¹, Rubish V.M.², Wisz G.³, Yavorskyi R.S.¹, Nykyruy L.I.¹

SCAPS simulation of ZnO/CdS/CdTe/CuO heterostructure for photovoltaic application

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Csach K.¹, Bilanych V.S.², Jurikova A.¹, Miskuf J.¹, Bilanych V.V.², Rizak V.M.²

Studies of As-Se glasses and films based on them by differential scanning calorimetry

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Popovych N.¹, Gažova Z.², Rizak V.M.¹

Application of the photoelectron spectroscopy to study the organic materials properties: adenine molecules and amyloid fibers

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