

PROGRAM KONWERSATORIUM

PROGRAM OF THE MEETING

Czwartek, 30 czerwca 2022 r. / Thursday, June 30, 2022

9:00 – 9:05	OTWARCIE KONWERSATORIUM / OPENING CEREMONY	
	SESJA PLENARNA / PLENARY SESSION	
9:05 – 9:30	Michał L. Chodkiewicz, Roman Gajda, <u>Krzysztof Woźniak</u> Department of Chemistry, University of Warsaw Accurate crystal structure of ice VI from X-ray diffraction with HAR	O-1
9:30 – 9:50	<u>Kinga Jóźwiak</u> , Aneta Jezierska, Jarosław J. Panek, Andrzej Kochel, Aleksander Filarowski Faculty of Chemistry, University of Wrocław Short strong hydrogen bond (SSHB) in nitrophthalic acid complexes	O-2
9:50 – 10:10	<u>Emilia Ganczar</u> , Agata Białońska Faculty of Chemistry, University of Wrocław Copper(I) coordination compounds with Schiff bases as precursors to host-guest materials	O-3
10:10 – 10:30	Tamara J. Bednarchuk, <u>Katarzyna Helios</u> , Anna Kędziora, Anna Łukowiak, Michał Małaszczuk, Rafał Wysokiński, Agnieszka Wojciechowska Faculty of Chemistry, Wrocław University of Science and Technology; Institute of Low Temperature and Structure Research, Polish Academy of Sciences, Wrocław; Department of Microbiology, Faculty of Biological Sciences, University of Wrocław Comprehensive studies on new isomorphous Co(II) and Zn(II) complexes with the 5-nitroorotate ligand	O-4
10:30 – 10:50	<u>Marzena Nowacka</u> , Elżbieta Nowak, Marcin Nowotny Laboratory of Protein Structure, International Institute of Molecular and Cell Biology, Warsaw Structures of substrate complexes of foamy viral protease-reverse transcriptase	O-5
10:50 – 11:00	<u>Piotr Reinhardt</u> Institute of Low Temperature and Structure Research, PAS, Wrocław The Polish Young Crystallographers (PYC) project	O-6
11:00 – 11:30	PRZERWA / BREAK	

- 11:30 – 11:45 **Helena Butkiewicz**, Sandra Kosiorek, Volodymyr Sashuk, Oksana Danylyuk
Institute of Physical Chemistry Polish Academy of Sciences, Warsaw
Crystal studies of the host-guest complexes of carboxylated pillar[n]arenes O-7
- 11:45 – 12:05 **Maura Malińska**
Department of Chemistry, University of Warsaw
Shape and volume – molecular recognition rules of big calixarene ring O-8
- 12:05 – 12:25 **Anna A. Hoser**, Toms Rekis, Anders Ø. Madsen
Biological and Chemical Research Centre, Faculty of Chemistry, University of Warsaw;
Department of Pharmacy, University of Copenhagen
Dynamics and disorder: on the stability of pyrazinamide polymorphs O-9
- 12:25 – 12:40 **Maja Morawiak**
Institute of Organic Chemistry, Polish Academy of Sciences, Warsaw
Thioflavin at alkaline pH – new compound and its interesting photophysical properties O-10
- 12:40 – 12:55 **Armand Budzianowski**, Jan K. Maurin, Katarzyna Betlejewska-Kielak
National Centre for Nuclear Research, Otwock Falsified Medicines and Medical Devices
Department, National Medicines Institute, Warsaw: Department of Synthetic Drugs,
National Medicines Institute, Warsaw
Behind the scenes of analyses by X-ray techniques while conducting comprehensive characterization of the ketoprofen- β -cyclodextrin inclusion complex O-11
- 12:55 – 13:10 **Karol Wydra**, Vasyl Kinzhybalo, Jerzy Lisowski
Faculty of Chemistry, University of Wrocław; Institute of Low Temperature and Structure
Research, PAS, Wrocław
Tetranuclear lanthanide(III) coordination compounds of chiral 3+3 amine macrocycle O-12
- 13:10 – 13:30 **Konrad Dyk**, Vasyl Kinzhybalo, Marek Drozd, Grzegorz Czernel, Wojciech Grudziński, Serhii Butenko, Roman Lytvyn, Yuriy Horak and Daniel M. Kamiński
Department of General, Coordination Chemistry and Crystallography, Institute of Chemical
Sciences, Maria Curie-Skłodowska University, Lublin; Department of Structure Research,
Institute of Low Temperature and Structure Research, Polish Academy of Sciences,
Wrocław; Department of Biophysics, University of Life Sciences in Lublin, Lublin;
Department of Biophysics, Institute of Physics, Maria Curie-Skłodowska University, Lublin;
Department of Organic Chemistry, Ivan Franko National University of Lviv
Role of the molecular conformation in the polymorphism during crystal growth O-13
- 13:30 – 15:00 **PRZERWA / BREAK**
- 15:00 – 15:30 **Felix Hennersdorf**
Rigaku Europe SE, Neu-Isenburg
Rigaku advances in X-ray and electron crystallography O-14

- 15:30 – 16:00 **Vernon Smith** O-15
Bruker AXS GmbH
Noble X-rays: choosing the correct X-ray wavelength for the best single-crystal structures
- 16:00 – 16:30 **Kristin Gratz** O-16
Malvern Panalytical GmbH, Kassel
New possibilities in XRD analytics with the Empyrean and Aeris system
- 16:30 – 18:00 **SESJA PLAKATOWA / POSTER SESSION**

Piątek, 1 lipca 2022 r. / Friday, July 1, 2022

- 9:00 – 10:00 **SESJA PLAKATOWA / POSTER SESSION**
- SESJA PLENARNA / PLENARY SESSION**
- 10:00 – 10:25 **Paulina M. Dominiak**, Barbara Gruza, Petr Brázda, Lukáš Palatinus, Maura Malińska, Kunal Kumar Jha, Tomasz Góral, Krzysztof Woźniak O-17
Department of Chemistry, University of Warsaw; Institute of Physics of the Czech Academy of Sciences, Prague; CeNT, University of Warsaw
Organic crystal structure refinement from 3D electron diffraction data
- 10:25 – 10:45 **Irena Jankowska-Sumara**, Marek Paściak, Jae-Hyeon Ko, Andrzej Majchrowski O-18
Institute of Physics, Pedagogical University of Cracow; Institute of Physics of the Czech Academy of Sciences, Prague; School of Nano Convergence Technology, Hallym University Chuncheon; Institute of Applied Physics, Military University of Technology, Warsaw
Complexity in the structural phase transition in $\text{Pb}(\text{Hf}_{0.92}\text{Sn}_{0.08})\text{O}_3$ single crystals
- 10:45 – 11:05 **Radosław Strzałka**, Ireneusz Bugański, Janusz Wolny O-19
Faculty of Physics and Applied Computer Science, AGH University of Science and Technology, Kraków
Phase transformation in a decagonal AlCuRh quasicrystal related to phason disorder
- 11:05 – 11:20 **Dawid Drozdowski**, Katarzyna Fedoruk, Mirosław Mączka, Jan K. Zaręba, Dagmara Stefańska, Adam Sieradzki i Anna Gagor O-20
Institute of Low Temperature and Structure Research, PAS, Wrocław; Faculty of Chemistry, Wrocław University of Science and Technology
Chlorek ołowiu z kationem metylohydrazoniowym – synteza i właściwości strukturalne warstwowego perowskitu hybrydowego

- 11:20 – 11:35 **Piotr Salwa**, Tomasz Goryczka, Maciej Zubko O-21
Institute of Materials Engineering, University of Silesia in Katowice, Chorzów
Structure evolution of $Ti_{50}Ni_{25}Cu_{25}$ shape memory alloy produced by high-energy ball milling
- 11:35 – 11:55 **Rafał Łysowski**, Ewelina Ksepko O-22
Faculty of Chemistry, Wrocław University of Science and Technology
Analysis of structural changes in Fe-Cu spinel-based oxygen carriers for application in chemical looping combustion process after multiple cycles of oxidation-reduction
- 11:55 **PRYZNANIE DYPLOMÓW ZA NAJLEPSZE PREZENTACJE PLAKATOWE - ZAKOŃCZENIE KONWERSATORIUM**
GRANTING DIPLOMAS FOR THE BEST POSTER PRESENTATIONS - CLOSING CEREMONY