

## First day, November 25<sup>th</sup> 2023

### 8:00-9:00 Registration

*Chair: Mai Suan Li*

### 9:00-9:15 Opening

9:15-9:55 **Marcin Nowotny**

*International Institute of Molecular and Cell Biology in Warsaw – IIMCB, Poland*

Cryo-electron Microscopy - A Revolution in Structural Biology That Helps Us

Understand Life at the Atomic Level

9:55-10:20 **Nguyen Van Thai**

*Vietnam Association of Science and Technology in Poland, Warsaw, Poland*

How Polish Literature Is Widespread in Vietnam

10:20-10:45 **Piotr Setny**

*University of Warsaw, Poland*

Membrane Interactions and Fusion Thermodynamics of Influenza Virus Fusion

Peptides

### 10:45-11:15 Coffee break and viewing of posters

*Chair: Mateusz Chwastyk*

11:15-11:40 **Bartosz Rożycki**

*Institute of Physics, Polish Academy of Sciences, Warsaw, Poland*

Membrane Curvature Sensing by Model Biomolecular Condensates

11:40-11:52 **Nguyen Truong Co**

*Department of Theoretical Chemistry, Gdansk University, Poland*

Understanding Protein Self-Assembly in Varied Environments Through Lattice modeling

11:52-12:04 **Izabela Siekierska**, *Centre of New Technologies, University of Warsaw, Poland*

Peptide nucleic acid conjugates with membrane-active peptides and their stapled

analogs as antimicrobial agents

12:04-12:16 **Panagiotis Theodorakis**, *Institute of Physics Polish Academy of Sciences, Warsaw, Poland*

Durotaxis and Antidurotaxis Motion onto Gradient Brush Substrates

12:16-12:28 **Luis H. Carnevale**, *Institute of Physics Polish Academy of Sciences, Warsaw, Poland*

Thermal Fluctuation break-up of Surfactant-Laden Liquid Threads

## 12:28-14:00 Lunch

*Chair: Hoa K. N. Nhu-Tarnawska*

14:00-14:40 **Tomasz Story**, *Institute of Physics, Polish Academy of Sciences, Warsaw, Poland.*

Topological Matter

14:40-15:05 **Andrzej Kozłowski**, *AGH University of Science and Technology, Krakow, Poland.*

The Magnetite Stone

15:05-15:30 **Hung Tan Pham**, *Department of Chemistry - KU Leuven, Belgium*

Mechanism of Glucose Electrooxidation to Gluconolactone on Gold Nanocluster Surface

15:30-15:42 **Soheil Arbabi**, *Institute of Physics, Polish Academy of Sciences, Warsaw, Poland*

Molecular Dynamics Simulation of the Coalescence of Droplets

## 15:42-16:05 Coffee break and viewing of posters

*Chair: Bartosz Rożycki*

16:05-16:30 **Piotr Szymczak**, *University of Warsaw, Poland*

Knotted Loops Fall Flat

16:30-16:42 **Hui Liu**, *Institute of Physics, Polish Academy of Sciences, Warsaw, Poland*

Kink-Meson Inelastic Scattering

16:42-16:54 **Hoang Thien Ly**, *Warsaw University of Technology, Poland*

Empirical Validation of Graph Structure Learning for Citation Network Applications

16:54-16:06 **Thang Do**, *Faculty of Geology, University of Warsaw, Poland*

New study on the age of Tertiary sediments in the Na Duong Basin (Northern Vietnam)

based on palynological analysis

16:06-17:18 **Mai Van Hai**, *Department of Scientific management, Institute of Psychology,  
Vietnam Academy of Social Sciences, Vietnam*

The Interdependence of Happiness and Filial Piety Within the Family – A Study in Vietnam

17:18-17:30 **Kieu Kim Anh**, *Faculty of Journalism, Information and Book Studies,  
University of Warsaw*

Strategic Enhancement of Vietnam's Red River Delta Primary School Libraries

## 19:00-21:00 Banquet

## Second day, November 26<sup>th</sup> 2023

### Online talks

*Chair: Mai Suan Li*

9:00-9:15 **Young Research Award Lecture**

**Ngan Le**, *Institute of Astronomy, Nicolaus Copernicus University in Toruń, Poland.*

Impact of Metallicity on Far-infrared Line Cooling in the Embedded Cluster Gy 3-7  
in the Outer Galaxy

9:15-9:40 **Nguyen Xuan Phuc**, *Institute of Materials Science,*

*Vietnam Academy of Science and Technology, Hanoi, Vietnam*

Electromagnetic Heating Using of Nanomaterials and Its Applications

*Chair: Panagiotis Theodorakis*

9:40-9:52 **Nguyen Thi Thu Trang**, *AGH University of Krakow, Kraków, Poland*

Study of the thermomechanical behavior of S355 steel at extra high temperatures  
using the Gleeble system

9:52-10:04 **Thi Thu Ha Nguyen**, *University of the National Education Commission, Kraków, Poland*

DFT study of structural and electronic properties of double perovskites Ba<sub>2</sub>MnWO<sub>6</sub>

and  $\text{Ba}_2\text{TiMnO}_6$

10:04-10:16 **Thi Hong Quan Vu**, *Institute of Low Temperature and Structure Research,*

*Polish Academy of Sciences, Wroclaw, Poland*

Effect of A-site cation substitution in  $\text{A}_2\text{MgWO}_6$  double perovskites doped with  $\text{Dy}_{3+}$

(A = Ca, Sr, Ba) on the crystal structure, luminescence and temperature sensing performance

10:16-10:28 **Dau Hong Quan**, *Department of Mathematics, Pedagogical University of Krakow, Poland*

Fixed Points of Monotone Operators Via Measure of Noncompactness

10:28-10:40 **Nguyen Thi Thu Thuy**, *Ho Chi Minh City University of Culture, Ho Chi Minh city, Vietnam*

Researching the impact of Korean popular culture on students' cultural practices

in Ho Chi Minh City

10:40-10:52 **Nguyen Van Chung**, *Quang Binh University, Vietnam*

Factors Affecting Digital Transformation in Tourism Human Resource Training: Case

Study of Central Coastal Provinces

## Online talks end

10:52-11:32 **Hung Son Nguyen**, *University of Warsaw, Poland*

Generative AI in Education Learning and Teaching

## 11:32 -12:00 Coffee break and viewing of posters

*Chair: Piotr Setny*

12:00-12:25 **Van Cao Long**, *Zielona Gora University, Poland*

Quantum Optics and the Last Two Nobel Prizes

12:25-12:37 **Pamela Smardz**, *Institute of Physics Polish Academy of Sciences, Warsaw, Poland*

Exploring Disulfide-Bond Functions in Proteins through Molecular Dynamics Simulations

12:37-12:49 **Julia Macyszyn**, *Centre of New Technologies, University of Warsaw, Warsaw, Poland*

Hydrocarbon stapling to initiate the antibacterial activity of a cell-penetrating peptide  $(\text{KFF})_3\text{K}$

12:49-13:01 **Monika Wojciechowska**, *Centre of New Technologies, University of Warsaw, Warsaw, Poland*

Stapled anoplins - in search of a drug for pathogens

*Chair: Van Cao Long*

13:01-13:13 **Nguyen Cong Duc**, *Silesian University of Technology, Faculty of Civil Engineering,  
Department of Mechanics and Bridges, Gliwice, Poland*

The Internet of Bridge Things: A Reviewing of AI-assisted Structural Health Diagnostic

13:13-13:40 **Phong Ba Dao**, *AGH University of Krakow, Poland*

On Wilcoxon Rank Sum Test for Condition Monitoring and Fault Detection of Wind Turbines

**13:40-13:50 Closing**