

## PROGRAM of WVSP2021 and PolVietSym2021

*The two onsite meetings are in the lecture hall 110N and 111N  
for the participants who are present in Cracow.*

*All presentations will be shown online.*

*The link for online meetings will be sent to the registered participants by email.*

<p align="center"><b>Friday, November 19, 2021</b>  All hours are given in CET (GMT+1)  <i>Please convert the time CET to your local time when needed.</i></p>	
12:00-13:00	<b>Lecture hall 110N. WVSP2021-checking MTeams link</b>
13:00-14:00	<b>Lecture hall 110N. PolVietSym2021-checking MTeams link</b>
14:00-17:00	<p align="center"><b>Registration, Meeting of the Organising Committee</b>  Venue for the onsite meetings:  Pedagogical University of Cracow (PUC), Podchorążych 2, 30084 Krakow.  <b>Lecture hall 110N and 111N,</b>  in the new building of PUC, the main entrance from Chmiela street  (see <a href="#">map_Krakow-Rynek-PUC</a> in the website)</p>

## Scientific program of WVSP2021 and PolVietSym2021

<p align="center"><b>Saturday, November 20, 2021</b>  All hours are given in CET (GMT+1).  <i>Please convert the time CET to your local time when needed.</i></p>	
	<p align="center"><b>Opening Session</b>  <b>Lecture hall 110N. <a href="#">Online meeting: Click here</a></b>  Chairmen: Hoa Kim Ngan Nhu-Tarnawska, Mai Suan Li,  Andrzej Kornaś</p>
10:00:10:15	<p align="center"><b>Welcome address</b></p> <p>Honorary guests of WVSP2021:  <b>Robert Stawarz</b>, Vice-Rector of the Pedagogical University of Cracow  <b>Doan Dinh Phuong</b>, Director of the Institute of Materials Science, Vietnam Academy of Science and Technology, Hanoi, Vietnam  <b>Dawid Nałęcz</b>, Vice-Director of Institute of Physics, Pedagogical University of Cracow  <b>Tran The Hung</b>, Director of the Institute of Agriculture and Environment, Quang Binh University, Vietnam</p>
	<p align="center"><b>Session 1: <i>Science and Culture</i></b>  <b>Lecture hall 110N. <a href="#">Online meeting: Click here</a></b>  Chairwoman: Hoa Kim Ngan Nhu-Tarnawska</p>
10:15-11:00	<p align="center"><b>Ladislav Havela</b>  <i>Hydrogen storage in metal hydrides</i>  – <i>fundamental principles meet practical life</i>  <b>PL-1</b></p>

11:00-11:30	<b>Nguyen Thi Thu Thuy</b> <i>The values in Vietnamese Mother Worship</i> <b>I-1</b>	
11:30-11:50	Coffee/tea break	
	<b>Session 2A <i>Materials Science</i></b> <b>Lecture hall 110N</b> <a href="#">Online meeting: Click here</a> Chairman: Tran Vinh Hung	<b>Session 2B <i>Natural Science-1</i></b> <b>Lecture hall 111N.</b> <a href="#">Online meeting: Click here</a> Chairman: Ladia Havela
11:50-12:20	<b>Thi Ngoc Anh Nguyen</b> <i>1/f noise characterization of MgO-based magnetoresistive sensors enable a noise-based technique for detecting of weak magnetic signals</i> <b>I-2</b>	<b>Ewa Durska</b> <i>The power of plants – application of fossil spores and pollen grains in geology</i> <b>I-4</b>
12:20-12:30	<b>Hue Thi Nguyen</b> <i>Effective generation of optical vortex beams using flat-surface nanostructured gradient index component and its developments</i> <b>O-01</b>	<b>Thiep Vo Van</b> <i>Assessment of the risk of Lead exposure when consuming <i>Siganus fuscescens</i> (Houttuyn, 1782) in the coastal of Quang Binh, Vietnam</i> <b>O-07</b>
12:30-12:40	<b>Sylwia Sowa</b> <i>Superconductivity and structure of selected 5f and (3-5)d metals and their hydrides</i> <b>O-02</b>	<b>Thi Hoang Ha Truong</b> <i>Effects of mulch C/N ratio and decomposition stage on plant N uptake and N availability in soil with or without wheat straw incorporation</i> <b>O-08</b>
12:40-12:50	<b>Hong Hanh Cong</b> <i>Green synthesis silver nanoparticles using <i>Syzygium nervosum</i> aqueous leaf extract</i> <b>O-03</b>	<b>Thanh Le Hai</b> <i>Sustainable promotion of cultural landscape values in the Son river basin, Quang Binh, Vietnam</i> <b>O-09</b>
12:50-13:00	<b>Thi Thu Ha Nguyen</b> <i>Ab-initio study of the magnetic properties of the double perovskites <math>A_2MM'O_6</math> compounds, where A = alkaline earth or rare-earth metal, and M, M' = transition metals</i> <b>O-04</b>	<b>Yen Tran Thi</b> <i>Research on the reproductive characteristics of the blood cockle (<i>Anadara granosa</i>) in the coastal areas of Quang Binh province</i> <b>O-10</b>
13:00-14:00	Lunch break	
	<b>Session 3A <i>Natural Science-2</i></b> <b>Lecture hall 110N</b> <a href="#">Online meeting: Click here</a> Chairman: Mai Suan Li	<b>Session 3B <i>Biology</i></b> <b>Lecture hall 111N</b> <a href="#">Online meeting: Click here</a> Chairman: Andrzej Kornaś
14:00-14:30	<b>Hung Son Nguyen</b> <i>Ethical AI - principles and difficulties</i> <b>I-3</b>	<b>Agnieszka Czyżowska</b> <i>The role of lipid peroxidation in skeletal muscle atrophy and weakness in aging</i> <b>I-5</b>

14:30-14:40	<b>Thang Do</b> <i>New study on the age of tertiary sediments in the Yen Bai basin (Northern Vietnam) based on palynological analysis</i> <b>O-05</b>	<b>Barbara Dyba</b> <i>Specific methods for studying the interaction between cell membrane and environment under stressful conditions</i> <b>O-11</b>
14:40-14:50	<b>N.-T.H. Kim-Ngan</b> <i>MeV ion-beam for analysis and modifications of materials: the crystallinity and stability of the Fe<sub>3</sub>O<sub>4</sub>-based thin films</i> <b>O-06</b>	<b>Magdalena Skórka</b> <i>Evaluation of manganese as a stress factor in plant cells</i> <b>O-12</b>
14:50-15:20	<b>e-Posters-1</b> <i>online 3 min.-3 slide presentation</i> P-01, P-02, P-03, P-04, P-05, P-06, P-07, P-08.	<b>e-Posters-2</b> <i>online 3 min.-3 slide presentation</i> P-09, P-10, P-11, P-12, P-13, P-14, P-15, P-16.
<b>Sunday, November 21, 2021</b> All hours are given in CET (GMT+1). <i>Please convert the time CET to your local time when needed.</i>		
	<b>Session 4 Biophysics</b> <b>Lecture hall 110N</b> <a href="#"><u>Online meeting: Click here</u></a> Chairman: Mai Suan Li	
10:00-10:45	<b>Dinh Xuan Anh Tuan</b> <i>SARS-CoV-2 and COVID-19: a deadly journey from genes mutations to cytokine storms</i> <b>PL-2</b>	
10:45-10:50	5 minutes break	
	<b>Session 5A Biophysics and Physics</b> <b>Lecture hall 110N</b> <a href="#"><u>Online meeting: Click here</u></a> Chairman: Mai Suan Li	<b>Session 5B Physics</b> <b>Lecture hall 111N</b> <a href="#"><u>Online meeting: Click here</u></a> Chairman: Tran Quoc Tien
10:50-11:20	<b>Trinh Xuan Hoang</b> <i>Protein escape at the ribosomal exit tunnel: Insights from simple models</i> <b>I-6</b>	<b>Artur Blachowski</b> <i>Mössbauer studies of iron-based superconductors</i> <b>I-8</b>
11:20-11:30	<b>Hung Nguyen</b> <i>Electrostatic interactions explain the higher binding affinity of the CR3022 antibody for SARS-CoV-2 than the 4A8 antibody</i> <b>O-13</b>	<b>Van Long Le</b> <i>Temperature dependence of anisotropic dielectric tensor of single-crystal <math>\alpha</math>-SnS</i> <b>O-17</b>
11:30-11:40	<b>Mattia Longobucco</b> <i>Study of all-optical switching of 1560 nm femtosecond pulses using soft glass dual-core fibers</i> <b>O-14</b>	<b>Jacek Gatlik</b> <i>The mass problem in effective description of soliton motion</i> <b>O-18</b>

11:40-11:50	<b>Nguyen Thi Minh Thu</b> <i>Nanomechanical Stability of A<math>\beta</math> Tetramers and Fibril-like Structures: Molecular Dynamics Simulations</i> <b>O-15</b>	<b>e-Posters-3</b> (11:40-10:55) <i>online 3 min.-3 slide presentation</i>  P-17, P-18, P-19, P-20.
11:50-12:10	Coffee/tea break	
	<b>Session 6A Science and life-1</b> <b>Lecture hall 110N</b> <a href="#">Online meeting: Click here</a> Chairman: Dawid Nalęcz	<b>Session 6B Science and life-2</b> <b>Lecture hall 111N</b> <a href="#">Online meeting: Click here</a> Chairman: Vo Van Thiep
12:10-12:40	<b>Phan Anh Tu</b> <i>Sustainable development for the Khmer community in Mekong delta (Vietnam) in the globalization context</i> <b>I-7</b>	<b>Zbigniew Tarnawski</b> <i>Diet guideline, is it an evidence - based science or food industry advertisement?</i> <b>I-9</b>
12:40-12:50	<b>Nguyen Phuong Nhung</b> <i>A protein network for the prioritization of telomere interacting oncogenes associated with non-small cell lung cancer</i> <b>O-16</b>	<b>Anna Kocoń</b> <i>A review of ticks in Cracow, Poland's most popular tourist city</i> <b>O-19</b>
12:50-13:00	<b>e-Posters-4</b> <i>online 3 min.-3 slide presentation</i>  P-21, P-22.	<b>Sylvia Koczanowicz</b> <i>The risk of tick attacks Ixodes ricinus (Linnaeus, 1758) on selected tourist trails and educational-environmental paths in the Poprad landscape park</i> <b>O-20</b>
13:00-13:05	5 minutes break	
	<b>Special session: The first annual “Creative Youth” Award</b> <b>Lecture hall 110N</b> <a href="#">Online meeting: Click here</a> Chairwoman: Hoa Kim Ngan Nhu-Tarnawska  <b>Honored guests (Organizations and sponsors):</b> <b>Hoang Xuan Binh</b> , Chairman of Vietnam Business Association in Poland <b>Tong Thu Huong</b> , EACC Center and Vietnam Women's Union in Poland <b>Le Xuan Lam</b> , Chairman of Foundation for Supporting Integration of Vietnamese in Poland <b>Nguyen Van Thai</b> , Vietnam Science and Technology Association in Poland <b>Tran Anh Tuan</b> , Chairman of Vietnamese Association in Poland	
13:05-13:15	<b>Mai Suan Li</b> <i>Awarding the “Creative Youth” Award of Vietnam Association of Science and Technology in Poland for the year 2021.</i>	

13:15-13:25	<b>Thi Hong Quan Vu</b> <i>Optical thermometers based on <math>Ba_2MgWO_6</math> and <math>La_2MgTiO_6</math> double perovskites doped with <math>Nd^{3+}</math>, <math>Eu^{3+}</math>, <math>Er^{3+}</math></i> <b>SO-1</b>
13:25-13:35	<b>Quyen V. Vu</b> <i>The driving force for co-translational protein folding is weaker in the Ribosome Vestibule due to greater water ordering</i> <b>SO-2</b>
13:35-13:45	<b>Summary and Closing</b> <b>Lecture hall 110N</b> <a href="#">Online meeting: Click here</a> Chairmen: Mai Suan Li, Hoa Kim Ngan Nhu-Tarnawska, Andrzej Kornaś
	Summary (Mai Suan Li)
	Statistics (Kim Nhu-Tarnawska)
	Closing (Andrzej Kornaś)
13:45-14:30	On-line round-table discussion

**PL** - Plenary lecture  
**O** - Oral talk  
**SO** - Special oral talk

**I** - Invited talk  
**P** – Poster

<b>e-Posters</b> <i>online 3 min.-3 slide presentation</i>		
poster	Presenting author	Title
P-01	<b>Quan Dau</b>	<i>The fixed point theorem in a banach space Endowed with a digraph</i>
P-02	<b>Thi Ly Mai</b>	<i>First-principle study of electronic properties of superconducting <math>\beta</math>-<math>IrSn_4</math></i>
P-03	<b>Nguyen Ngoc Anh</b>	<i>Synthesis and characterization of thermal conductivity of nanofluids based on Ag decoreated CNTs-graphene hybrid materials</i>
P-04	<b>Nguyen Thi Mai</b>	<i>Size-dependent geometric, electronic and <math>H_2</math> adsorption properties of <math>Ag_nCr</math> (<math>n=1-12</math>) clusters</i>
P-05	<b>Manh Xuan Vu</b>	<i>Real-time, continuous-flow determination of the magnetic nanoparticles concentration by modified-GMR sensor</i>
P-06	<b>Hoang Thien Ly</b>	<i>Sickest-first policy and predictive models for liver transplant candidates in the US</i>
P-07	<b>Nguyen Thi Bich Lien</b>	<i>Design a website for looking up diplomas and certificates on the website <a href="http://gbu.edu.vn">gbu.edu.vn</a></i>
P-08	<b>Cong Ngoc Phan</b>	<i>Change in electrical conductivity of river water due to the impact of small-scale hydroelectric system. Case study: Nida river, Poland</i>

P-09	<b>Le Dang Huy</b>	<i>Combined ligand-based and structure-based virtual screening approach and molecular dynamics simulation of SARS-CoV-2 protease (Mpro and PLpro) for identifying antiviral inhibitors against SARS-CoV-2</i>
P-10	<b>Le-Quang Bao</b>	<i>A simple rule-based approach for designing novel dual-target AChE and BACE1 inhibitors as anti-Alzheimer agents</i>
P-11	<b>Le Khanh Vu</b>	<i>Indication of soil water table of forest biogeocenosis of the Leningrad region using scales L. G. Ramensky</i>
P-12	<b>Nguyen Thi Tuan Diep</b>	<i>Production of sodium hypochlorite by direct electrolysis of seawater with OIPTA + TA electrode</i>
P-13	<b>Phan Nu Y Anh</b>	<i>Factors affecting ecotourism development of Hac Hai lagoon, Quang Binh province</i>
P-14	<b>Ly Tuong Tran</b>	<i>Highly enhanced adsorption for the removal of Ag (I) from aqueous solution by Mercaptoethylamine functionalized vermiculites</i>
P-15	<b>Nhung Hoang Thi Tuyet</b>	<i>Evaluation of the immunostimulating effect of Milnavir capsules on experimental animals</i>
P-16	<b>Ngan Nguyen Hoang</b>	<i>Evaluation of regulating effect on exogenous dyslipidemia of capsules prepared from fermented Allium sativum, Hibiscus sabdariffa, Gynostemma pentaphyllum and Alisma plantago aquatica on white rats</i>
P-17	<b>Bui Thi Hoa</b>	<i>Transition metal (Co, Ni, Fe)-based materials -superior electrocatalyst for water splitting</i>
P-18	<b>Ke Son Phan</b>	<i>Co-loading of nanosilver and nanoemulsion antibiotics plant-based Allium sativum extract in alginate/carboxyl methylcellulose carrier for antibacterial activity</i>
P-19	<b>Le Thi Quynh Xuan</b>	<i>Degradation of methyl blue by an approach using plasma jet processing</i>
P-20	<b>Michal Stawarz</b>	<i>Locally anisotropic field in polydispersed composites after FSP modification</i>
P-21	<b>Hoang Phuong Thao</b>	<i>Administrative reform below the Minh Menh dynasty (1820 - 1840)</i>
P-22	<b>Joanna Mostowska</b>	<i>Indo-Himalayan protected areas: mountain tourism</i>

### Krakow time (CET) to several places' time conversion in November 2021

Oklahoma, USA -7	Kraków (CET)	Petersburg, Russia +2	Novocherkassk, Russia +2	VietNam +6	Adelaide, Australia +9:30
3:00	10:00	12:00	12:00	16:00	19:30
7:00	14:00	16:00	16:00	20:00	23:30