ATAM & MASCA 2024 – Conference Schedule

5-7 June 2024, PORT – Łukasiewicz, Wrocław, Poland

Wednesday, 5th June 2024		
from 8:15	**Registration**	
9:15 – 9:20	**Opening**	
Session A		
9:20 – 10:05	PL-1	**Marek Samoć** „New nanomaterials and nonlinear optics: a powerful combination?”
10:05 – 10:30	L-1	**Georges Boulon** „Specifics of spectroscopic features of Yb^{3+}-doped $LuPO_4$ nano/micro-crystalline orthophosphates”
10:30 – 10:50	**Coffee Break**	
10:50 – 11:00	**move to “PORT Connects” event**	
11:00 – 11:50	**Discussion Panel “Anatomy of a start-up – needs and blind spots“ at “PORT Connects” event**	
11:50 – 12:10	**move back to ATAM & MASCA event**	
Session B		
12:10 – 12:35	L-2	**Sebastian Maćkowski** „Fluorescence sensing with plasmonically active metallic nanostructures”
12:35 – 13:00	L-3	**Wiktor Lewandowski** „Organic and inorganic nanomaterials for chiral photonics”
13:00 – 14:00	**Lunch Break**	
Session C		
14:00 – 14:25	L-4	**Maurizio Ferrari** „Glass photonics: advancements and perspectives”
14:25 – 14:50	L-5	**Mateusz Słowikowski** „Integrated photonics platforms developed at Warsaw University of Technology”
14:50 – 15:15	L-6	**Dominik Dorosz** „Optical fibers doped with YPO_4:Ln^{3+} nanocrystals”
15:15 – 15:40	L-7	**Marcin Kochanowicz** „Luminescent properties of photonic materials and optical fibers doped with active centers”
15:40 – 16:00	**Coffee Break**	

Session D		
16:00 – 16:25	L-8	**Joel Belessa** „Fabrication and properties of GaAs Tamm plasmon lasers and light emitting diodes”
16:25 – 16:50	L-9	**Mikołaj Lewandowski** „Novel virus-like particle arrays exhibiting surface lattice resonance for ultrasensitive biodetection”
16:50 – 17:15	L-10	**Anna Zawadzka** „Thin-film perovskite solar cells fabricated by the PVco-D process”
17:15 – 20:00	**Social event (Grill)**	

Thursday, 6th June 2024		
Session E		
9:00 – 9:45	PL-2	**Mark Rümmeli** „Toward precision manufacturing with electron microscopes”
9:45 – 10:10	L-11	**Giulia Magnabosco** „More than just color: Inverse opals as sensors”
10:10 – 10:35	L-12	**Quinn Besford** „Integrated fluorescence messenger polymers for spatially resolving micro-to-nano processes”
10:35 – 10:55	**Coffee Break**	
Session F		
10:55 – 11:20	L-13	**Antoni Morawski** „Metal-modified TiO_2 photocatalysts for hydrogen production from water decomposition under UV/Vis and simultaneous CO_2 and N_2 reduction to valuable chemicals.”
11:20 – 11:45	L-14	**Mateusz Odziomek** „Rational design of carbonaceous materials for (electro)catalysis”
11:45 – 12:10	L-15	**Konrad Świerczek** „Novel perovskite-type oxides for selected electrochemical applications”
12:10 – 12:35	L-16	**Agata Kamińska** „Optical properties of cerium ions in GaInN matrices”
12:35 – 13:35	**Lunch Break**	
Session G		
13:35 – 14:00	L-17	**Akira Yoshikawa** „Growth of bulk oxide crystals using the “oxide crystal growth from cold crucible (OCCC)” method”
14:00 – 14:25	L-18	**Pradip Xavier** „Surface phosphor thermometry imaging applied to near-wall combustion”

14:25 – 14:50	L-19	**Krzysztof Rogacki** „Significant increase in critical currents using nano-sized defects in REBaCuO-type high temperature superconductors”
14:50-15:20	**Coffee Break**	
Session H		
15:20 – 15:45	L-20	**Amina Bensalah-Ledoux** „Sensing chirality at the molecular scale: materials and spectroscopy”
15:45 – 16:10	L-21	**Przemysław Data** „Current Generation of OLED Emitters and how to go beyond”
16:10 – 16:35	L-22	**Piotr Ślęczkowski** „Tuning the molecular interactions of organic molecules in thin films for novel temperature optical indicators”
16:35 – 17:00	L-23	**Katarzyna Matras-Postołek** **„**Semiconducting nanocrystals - from synthesis to application”
17:00 – 19:00	**Poster session + refreshments**	

Friday, 7th June 2024		
Session I		
9:00 – 9:25	L-24	**Gerd Meyer** „Halides as electrolytes for all-solid-state batteries”
9:25 – 9:50	L-25	**Krzysztof Wojciechowski** „Composite thermoelectric materials with attuned electronic structure and mismatched phonon structure (AES-MPS)“
9:50 – 10:15	L-26	**Przemysław Kula** „From dual frequency nematics to ferroelectric twist-bend nematics - the short story”
10:15 – 10:40	L-27	**Wiktor Piecek** „Liquid crystalline structures for unconventional microlasers”
10:40 – 11:00	**Coffee Break**	
Session J		
11:00 – 11:25	L-28	**Karol Synoradzki** „Magnetic materials for 3D printing”
11:25 – 11:50	L-29	**Tomasz Toliński** „Anisotropic magnetocaloric effect in single crystals of Zintl phases: $EuIn_2P_2$, $EuIn_2As_2$, and $Eu_5In_2Sb_6$”
11:50 – 12:15	L-30	**Łukasz Marciniak** „Temperature invariant luminescence manometry for pressure sensing and imaging”
12:15 – 12:40	L-31	**Bartłomiej Cichy** „Exciton kinetics in coupled quantum dot dimers”
12:40	**Closing Ceremony, Awards for Young Scientists**	