1st Polish Symposium on Functional π-Systems

16th of May 2025

Time	Agenda
08:50-09:00	**Opening remarks- Prof. Daniel Gryko**
09:00-10:15	**Session A, chair: dr. Marek Grzybowski**
09:00-09:45	**Prof. Shigehiro Yamaguchi** (Plenary lecture) – Nagoya University *"Designing Tailored π-Electron Materials Enabled by Main- Group Elements"*
09:45-10:15	**Prof. Hans Ågren** (Invited lecture) – Wrocław University of Technology and Uppsala University "*Photophysics at the molecular scale*"
10:15-10:30	**dr. Krzysztof Górski** – ICHO PAN *"An Efficient Method for the Synthesis of π-Expanded Phosphoni-um Salts"*
10:30-11:00	**Coffee Break**
11:00-12:35	**Session B, chair: dr. Przemysław Gaweł**
11:00-11:15	**dr. Abhishek Pareek** – ICHO PAN "*π-Expanded Heteroaromatic Compounds for Optoelectronic and Chiroptical Materials"*
11:15-11:30	**Katarzyna Piasecka** – ICHO PAN "*Twisted Amides: Shaping New Chemical Space Across TADF Emitters"*
11:30-11:45	**dr. Krzysztof Bartkowski** – ICHO PAN "*Donor–Fused NMI Platforms: Bridging Methodology and Function in Optoelectronics"*
11:45-12:00	**dr. Kamil Skonieczny** – ICHO PAN "*Polysubstitution of Dipyrrolonaphthyridinediones: A Potent Strategy for Creating Strongly Emitting Fluorophores"*
12:00-12:15	**dr. Amjad Ali** - Wrocław University of Technology *"Photoisomerizatio of Heptamethine Cyanine Dyes: A Theoretical Study"*
12:15-12:35	**dr. hab. Wiktor Lewandowski** (Short Invited Lecture) – Warsaw University "*Material and geometric contributions to supramolecular chirality in liquid crystal nanocomposites"*
12:35-13:05	**prof. Miłosz Pawlicki** (Invited lecture) – Jagiellonian University "*Optical properties of chromophores carrying a 6.6.6/7.6.6 defect"*

13:05-14:00	**Lunch Break**
14:00-15:50	**Session C, chair: dr. Marcin Lindner**
14:00-14:30	**prof. Piotr Kaszyński** (Invited lecture) - CBMiM "*Stable radicals and diradicals with a twist*"
14:30-14:45	**Krzysztof Nowak** – ICHO PAN "*Donor-Acceptor Pentacene Analogues*"
14:45-15:00	**Weronika Szawro** – ICHO PAN "*5-Azatetracenes and 6-azapentacenes - synthesis, photophysical properties and stability*"
15:00-15:15	**dr. Mariusz Tasior** – ICHO PAN "*Wine-inspired dyes as photoredox catalysts*"
15:15-15:30	**Wojciech Petrykowski** – ICHO PAN "*Double helicene possessing B–N dative bonds built on 1,4-dihydropyrrolo[3,2-b]pyrrole core*"
15:30-15:50	**dr. hab. Mykhaylo Potopnyk** (Short Invited Lecture) – ICHO PAN "*Benzochalcogenazole-Based Boron Difluoride Complexes for Organic Solid-State Lasers and Light-Emitting Diodes*"
15:50-16:35	**Prof. Marcin Stępień** (Plenary lecture) – Wrocław University "*Electron-Deficient Aromatics: Multiredox Systems, NIR Dyes, and Brønsted Acids*"
16:35-18:15	**Poster Session** Poster presentations are listed on the next page
18:15	**Concluding Remarks- Prof. Daniel Gryko**

Poster presentations	
Poster №	**Presenter Name, Affiliation, Poster Title**
P01	**B.Sc.Eng. Stanisław Kulczyk** – Warsaw University of Technology "*Aromatic Dendrimers for Selective Detection of Group 13 Cations in Water*"
P02	**BEng, MSc. Jakub S. Cyniak** – Faculty of Chemistry, Warsaw University of Technology " *A New Generation of Sumanene-Based AIEgens for the Effective Recognition of Metal Cations in Solutions Containing 95 vol% of Water* "
P03	**Beata Suska** – ICHO PAN "*Organic Semiconductor Based on Paracyclophanes*"
P04	**dr. Yevgen Poronik** – ICHO PAN "*Octupolar Merocyanines - Promising Platform for Quatsome Nanovesicles for Enhanced Two-Photon Excitation Microscopy*"
P05	**dr. Kabi Arup Kumar** – Centre of New Technologies, University of Warsaw "*Organophotocatalytic Generation of Aryl Radicals from Organoboron Reagents Enabled by Hypervalent Iodine Chemistry*"
P06	**MSc Eng. Adam Zuba** – Warsaw University of Technology, Faculty of Chemistry " '*Strong Acceptor - Weak Donor' Systems as Efficient TADF Emitters*"
P07	**dr. Olena Vakuliuk** – ICHO PAN "*Shedding New Light on Quadrupolar 1,4-Dihydropyrrolo[3,2-b]pyrroles: How the Structure Determines Optical Properties*"
P08	**dr. Beata Koszarna** – ICHO PAN "*The Hybrid of Indolizine and Merocyanine – A New Class of Organelle-specific Dyes*"
P09	**Muhammad Yasir Mehboob** – ICHO PAN "*Design of Carbon-Carbon Ylides*"
P10	**Vivek Vivek** – BioMedChem Doctoral School of the University of Lodz and Lodz Institute of the Polish Academy of Sciences "*High-Efficiency Light Emitters: 10-(Diphenylphosphoryl)-anthracenes from One-Pot Synthesis Including C–O–P to C–P(=O)Rearrangement*"
P11	**dr. eng. Paulina Bartos** – University of Lodz "*Photochemical Synthesis of Carbazole-Fused Blatter Radicals*"
P12	**dr. Jakub Ostapko** – Ensemble3 sp. z o.o. "*Holding the Glow: Aminal-linked COFs for Highly Efficient Emission and Light Upconversion*"
P13	**Maciej Multan** – ICHO PAN "*Novel Bright Quinacridone Emitters via Buchwald-Hartwig Reaction*"

Poster presentations	
Poster №	**Presenter Name, Affiliation, Poster Title**
P14	**Maciej Woszczyk** – ICHO PAN *"Unsymmetrical Derivatives of Terephthalic Acid as Minimal Fluorophores"*
P15	**dr. Singh Hemant Kumar** – Centre of Molecular and Macromolecular Studies, Polish Academy of Sciences, Łódź, Poland "*π-Curved Blatter Radicals: Synthesis and Mechanistic Investigation*"
P16	**Abhishek Sahoo** – Centre of Molecular and Macromolecular Studies of Polish Academy of Sciences, Lodz and Politechnika Łódzka "*Axially Chiral Stable Radicals: A Promising Class of Functional Materials*"
P17	**Minu Sheeja** – ICHO PAN "*Mechanical Switching: Towards Efficient Organic Memristors*"
P18	**dr. Michał F. Rode** – Institute of Physics, Polish Academy of Sciences "*Photophysics of Indigo and Molluscan Purple Dyes: Why Are They Photostable?*"
P19	**Krzysztof Melcer** – Faculty of Chemistry, Warsaw University of Technology "*AIE-Active Polyaromatic Amides and Dendritic-Like Molecules. Green Chemistry Approach to Synthesis and Study on Photophysical and Receptor Properties*"
P20	**Vishali** – ICHO PAN "*Probing Singlet Fission as a Function of Distance in Pentacene Dimers*"
P21	**Jan Adamek** – Warsaw University of Technology "*TADF Emitters Based on Diazaborafluorene Cores*"
P22	**M.Sc. Lahna Omar** – ICHO PAN "*Solid-State Fluorescent Naphthyridine-Based Donor-Acceptor Boron Difluoride Complexes*"
P23	**dr. Maciej Majdecki** – ICHO PAN "*Quantitative Singlet Fission in a Series of Hexaphenylbenzene-based Through-space Coupled Tetracene Oligomers*"
P24	**dr. eng. Dorota Węgłowska** – Military University of Technology, Warsaw