### Monday, June 10

8:30 - 13:00 9:00 - 9:10 9:10 - 12:15		Registration at the IPC PAS Opening Ceremony Morning session
		Juan Antonio Anta
9:10 – 10:30	T01	Introduction to semiconductor photoelectrochemistry and fundamentals of photon-to-electron and photon-to-fuel conversion
10:30 – 10:45		Coffee break
		Juan Antonio Anta
10:45 – 11:30	T01	Introduction to semiconductor photoelectrochemistry and fundamentals of photon-to-electron and photon-to-fuel conversion
		Nilesh Manwar
11:30 – 11:45	S01	Photo-redox Versus Electro-redox Processes: Bridging Organic Synthesis with Photocatalysis (BOSS-Photocat)
		Nabila Nawaz
11:45 – 12:00	S02	Investigations of Earth Abundant Materials based Metal Oxide Photo-Electrodes for Solar Energy Conversion
		Mewin Vincent
12:00 – 12:15	S03	In-situ investigation of Li+ and Na+ intercalation to the TiO2 nanotubes using Raman spectroscopy
12:15 – 13:15		Lunch Break
13:15 – 15:45		Afternoon session
13:15 – 14:00	L01	Daniel Prochowicz  Lead halide perovskites for optoelectronic devices
14:00 – 14:15		Coffee break
		Adam Kubas
14:15 – 15:00	L02	Beyond DFT: selected applications and developments of wavefunction-based methods for redox-active, open-shell systems
15.00 15.45	T 0.5	Gonzalo Angulo
15:00 – 15:45	L03	Basic Photophysics for Electrochemists: Everybody

### Tuesday, June 11

9:00 – 10:30		Registration at the IPC PAS
9:30 – 12:15		Morning session
9:30 – 10:30	T02	Kristina Tschulik
		Electrochemical Charge Transfer at Nanomaterials – part I
10:30 - 10:45		Coffee break
10:45 – 11:30	T02	Kristina Tschulik
10.43 – 11.30		Electrochemical Charge Transfer at Nanomaterials – part II
11.20 12.15	T 0.4	Wojciech Nogala
11:30 – 12:15	L04	Redox activity mapping
12:15 – 13:15		Lunch Break
13:15 – 15:00		Afternoon session
13:15 – 14:00	L05	Tomasz Wójtowicz
		Modern Applications of the Patch-Clamp Method
<b>14:00 – 14:15</b>		Coffee break
		Grzegorz Bubak
14:15 – 14:30	S04	Ionic liquid-based actuators – insights in their property-
11.13	501	characterization relations, ways of improving performance, and
		possible applications.
		Izabela Kurzydym
14:30 – 14:45	S05	Mechanisms for deNOx and deN <sub>2</sub> O Processes on FAU Zeolite
		with Cu-Fe Dimer DFT Theoretical Calculations
		Marcin Szymon Filipiak
14:45 – 15:00	S06	Carbon Nanomaterial Field-Effect Transistor Based Biosensors:
		Bridging the Gap Between Research and Real-World
		Applications
<b>15:00 – 19:00</b>		Barbecue and informal networking

#### Wednesday, June 12

9:00 - 10:30	Registration at the IPC PAS
9:30 - 12:15	Morning session
9:30 – 10:30 T03	Elena Ferapontova
7.30 10.30 103	Post-Pandemic Biosensor Research for Biomedical Applications
10:30 - 10:45	Coffee break
	Elena Ferapontova
10:45 – 11:30 T03	Bioelectrochemical Platforms for Cancer Diagnosis and Prognosis
	Łukasz Półtorak
11:30 – 12:15 L06	Why bother with color interpretation when we have electroanalytical tools? Case study: illicit drugs.
12:15 – 13:15	Lunch Break
13:15 – 17:00	Afternoon session
	Abdelatif Laroui
13:15 – 13:30 S07	Effects of Magnetic Nanoparticles Fe <sub>3</sub> O <sub>4</sub> on Ion Transfer at the Polarized Liquid-Liquid Interface
	Angelika Holzinger
13:30 – 13:45 S08	Beyond Redox Processes – Adsorption of Peptides at the ITIES
10.17. 11.00	Katarzyna Dusiło
13:45 – 14:00 S09	Biphasic oxygen reduction reaction at selected interfaces
	Stepan Shipovskov
14:00 – 14:45 T04	Industrial R&D career: pros and cons
14:45 – 16:30	Poster session with coffee

### Thursday, June 13

9:00 - 10:30		Registration at the IPC PAS
9:30 - 12:15		Morning session
9:30 – 10:30	T05	Wolfgang Schumann
		Challenges of single-entity electrochemistry experiments
10:30 - 10:45		Coffee break
		Wolfgang Schumann
10:45 - 11:30	T05	From high-throughput catalyst discovery and
	103	nanoelectrochemistry to electrolyzers for energy conversation
		reactions
		Wojciech Macyk
11:30 – 12:15	L07	Solar to chemical energy conversion – what is the potential of
		photocatalysis?
12:15 – 13:15		Lunch Break
13:15 – 16:30		Afternoon session
		Mario Krenn
13:15 – 14:15	T06	Toyyanda an Antificial Musa for Navy Ideas in Physics
14.15 14.20		Towards an Artificial Muse for New Ideas in Physics
<u>14:15 – 14:30</u>		Coffee break
14:30 – 16:00		Panel discussion - future of physical chemistry:
		Krenn, Ferapontova, Schuhmann

#### Friday, June 14

9:00 - 10:30		Registration at the IPC PAS
9:30-12:15		Morning session
		Jan Bitenc
9:30 – 10:30	T07	Batteries from niche applications towards transforming our energy system
10:30-10:45		Coffee break
10:45 – 11:30	T07	Jan Bitenc  Multivalent metal anode batteries: Overcoming challenges
11:30 – 12:15	L08	Leszek Niedzicki TBA
12:15 – 13:15		Lunch Break
13:15 – 14:15		Afternoon session
		Klaudia Głowacz
13:15 – 14:00	L09	Chemometric Methods in the Analysis of Voltammetric Data in Sensing Applications
14:00 – 14:15		Coffee break
14:15 – 14:45		Official closure and Best Poster award
14:45 – 15:30		Lab visit 1 (upon registration)
15:30 – 16:15		Lab visit 2 (upon registration)