

## IMAPS Poland 2024 conference programme

Sunday, 22.09.2024	
Conference Foyer From 18:00	Registration
Restaurant 19:30 – 21:00	Dinner
Room B 20:30 – 21:30	IMAPS Poland board meeting
Monday, 23.09.2024	
Restaurant: 7:00 – 9:00	Breakfast
Room B: 9:00 – 9:15	Conference opening
Room B:  9:15 – 10:00  10:00 – 10:40  10:40 – 11:20	Session Chair: Jarosław Kita Invited lectures:  <u>Rajan Ambat</u> , <i>Environmental effects on electronic systems and devices</i>  <u>Muhammad Imran Asghar</u> , <i>Advancements in additive manufacturing of ceramic fuel cells</i>  <u>Marcin Słoma</u> , <i>3D printed energy harvesters</i>
Conference Foyer 11:20 – 11:50	Coffee break
Room B:  11:50 – 12:25  12:25 – 13:00	Session Chair: Katarzyna Zakrzewska Invited lectures:  <u>Katrin Schönfeld</u> , Hans-Peter Martin, <i>Ceramic low voltage varistors for fusion application</i>  <u>Patrycja Suchorska-Woźniak</u> , <i>Insights into the gas sensor materials</i>
Restaurant: 13:00 – 14:00	Lunch
Room A: 14:00 – 16:00	Poster session
Room B:  16:00 – 16:45  16:45 – 17:15	Session Chair: Karol Malecha Invited lectures:  <u>Filip K. Janiak</u> , <i>Non-invasive neurophotonics. How to look into in-vivo single cell brain activity without electrodes</i>  <u>Maciej M. Jankowski</u> , <i>Selected invasive brain interfaces for single-neuron recordings in freely moving animals</i>
17:30 – 22.00	Ship cruise with dinner (ship starts at 18:00 from <a href="#">Brabank</a> )

Tuesday, 24.09.2024

Restaurant: 7:00 – 9:00	Breakfast
Room B: 9:00 – 9:45	Session Chair: Andrzej Dziedzic Invited presentations: <b><i>Federico Smeacetto, Advanced glass and ceramics for energy conversion and storage: from integration perspectives to recycling strategies</i></b>
9:45 – 10:25	<b><i>Daniel Janczak, Selected Topics on Textronics - new area of electronics</i></b>
10:25 – 11:05	<b><i>Maciej Haras, Naveed Ahmed, Sebastian Molin, Piotr Jasiński, Thomas Skotnicki, Energy Harvesting for next generation electronics - challenges, opportunities and future forecasts</i></b>
11:05 – 11:20	Sponsor presentation: Natalia Jędrzejczak, Technolutions
Conference Foyer 11:20 – 11:50	Coffee break
Room B: 11:50 – 12:25	Session Chair: Achim Bittner Invited presentations: <b><i>Krzysztof Niewęglowski, David Weyers, Akash Mistry, Karlheinz Bock, Co-packaged optics development with multi-lithography processing of polymeric optical interconnects</i></b>
12:25 – 13:00	<b><i>Przemysław Ptak, Influence of soldering process and solder paste composition on optical and thermal parameters of LEDs and LED modules</i></b>
Restaurant: 13:00 – 14:00	Lunch
Room A: 14:00 – 16:00	Poster session
Room B: 16:00 – 16:45	Session Chair: Agata Skwarek Invited presentations: <b><i>Katarzyna Zakrzewska, Marta Radecka, Recent Advances in Green Hydrogen Generation - Blue/Black and Ln<sup>3+</sup> Doped TiO<sub>2-x</sub> Thin Films</i></b>
16:45 – 17:30	<b><i>Paweł Jakóbczyk, Exploring Phosphorene: Synthesis, Challenges and Breakthrough Applications in Modern Technology</i></b>
Room B: 17:30 – 19:00	IMAPS Poland general assembly
Conference Foyer 19:30 – 22:00	Gala dinner

**Wednesday, 25.09.2024**

<b>7:00 – 9:00</b>	<b>Breakfast</b>
<b>Room B:</b>	<b>Session Chair: Kalina Detka</b> <b>Oral presentations:</b>
<b>9:00 – 9:20</b>	<b><u>Szymon Wójcik, Andrzej Dzedzic</u>, <i>Effects of high temperature ageing on thermoelectric properties of planar thick-film <math>\text{Ca}_3\text{Co}_4\text{O}_9\text{-Ag}</math> and <math>\text{Ca}_{2.7}\text{Bi}_{0.3}\text{Co}_4\text{O}_9\text{-Ag}</math> thermopiles</i></b>
<b>9:20 – 9:40</b>	<b><u>Marcin Myśliwiec, Ryszard Kisiel, Mirosław J. Kruszewski</u>, <i>Study of mechanical and thermal properties of AgAl interface</i></b>
<b>9:40 – 10:00</b>	<b><u>Samaneh ShahsavariFar, Paweł Jakóbczyk, Robert Bogdanowicz</u>, <i>Chemical Modification of Laser-Induced Graphene with Thiophene for Solid-State Supercapacitor Application</i></b>
<b>10:00 – 10:20</b>	<b><u>Sanju Gupta, Ammon Johnston, Saiful Khondaker</u>, <i>Optoelectronic Properties of <math>\text{MoS}_2</math>/Graphene Heterostructures Prepared by Dry Transfer Method for Light-induced Energy Harvesting Applications</i></b>
<b>Conference Foyer</b> <b>10:20 – 11:10</b>	<b>Coffee break</b>
<b>Room B:</b>	<b>Session Chair: Ryszard Kisiel</b> <b>Oral presentations:</b>
<b>11:10 – 11:30</b>	<b><u>Agnieszka Łękawa-Raus, Damian Łukawski</u>, <i>Functional electronic materials based on wood, carbon nanotubes, and graphene</i></b>
<b>11:30 – 11:50</b>	<b><u>Rafał Urniaz</u>, <i>New generation of molecular sensing technology improving personalized treatment and diagnostics</i></b>
<b>11:50 – 12:10</b>	<b><u>Ivan Lopez Carrasco, Gianarelio Cuniberti, Joerg Opitz, Natalia Beshchasna</u>, <i>Evaluation of Transducer Elements Based on Different Material Configurations for Aptamer-Based Electrochemical Biosensors</i></b>
<b>12:10 – 12:30</b>	<b><u>Mohsen Khodadadiyazdi, Jacek Ryl</u>, <i>Hydrogel-based systems for impedimetric biosensing</i></b>
<b>12:30– 12:45</b>	<b>Conference closing</b>
<b>Restaurant</b> <b>13:00 – 14:00</b>	<b>Lunch</b>

## Conference organizers

 <p><b>GDAŃSK UNIVERSITY OF TECHNOLOGY</b></p>	 <p><b>GDYNIA MARITIME UNIVERSITY</b> 1920 <b>• POLAND •</b></p>	 <p><b>iMAPS POLAND</b></p>
---	---	--

## Conference sponsors

<p>Technolutions +48 606 440 718, ul. Wiejska 7, Łowicz</p>	 <p><b>TECHNO SOLUTIONS</b> solutions for sci-tech</p>
<p>PIK Instruments sp. z o.o. +48 22 726 74 96, ul. Okulickiego 5F, Piaseczno</p>	 <p><b>pik instruments™</b></p>
<p>LABSOFT Sp. z o.o. tel. +48 22 853 27 93, ul. Puławska 469, Warszawa</p>	 <p><b>LABSOFT</b></p>
<p>Quantum Design Poland tel. +48 32 2482048, ul. Szttygarska 12/3, Chorzów</p>	 <p><b>Quantum Design</b> EUROPE</p>