

IMAPS POLAND 2023 - Conference Programme:

Sunday 24.09:

15 ⁰⁰ – 19 ⁰⁰	Reception
19 ⁰⁰	Dinner
21 ⁰⁰	IMAPS Poland Board Meeting

Monday 25.09:

7 ⁰⁰ – 9 ⁰⁰	Reception
8 ⁰⁰ - 9 ¹⁵	Breakfast
9 ³⁰	Conference Opening
9 ⁴⁵ – 10 ¹⁵	Plenary session I (Chairmen: Agata Skwarek, Karol Malecha) Jerzy Potencki Ignacy Łukasiewicz - Known and Unknown Facts From His Life
10 ¹⁵ – 11 ⁰⁰	Coffee Break
11 ⁰⁰ – 12 ⁴⁵	IEEE session (Chairmen: Kalina Detka, Mariusz Węglarski) Wiesław Kuźmicz My life with minority carriers. 75 years of bipolar transistor Ryszard Kisiel, Marcin Myśliwiec Milestones in Electronic Packaging
13 ⁰⁰ – 14 ⁰⁰	Lunch
14 ⁰⁰ – 15 ³⁰	Plenary session II (Chairmen: Małgorzata Jakubowska, Ryszard Kisiel) Karolina Cysewska Development of Next Generation Neural Electrodes Karolina Kula Application of cycloaddition for synthesis of conjugated heterocyclic compounds with potential application in optoelectronics Grzegorz Jasiński Applications, challenges and current progress in the design and development of electronic nose technologies
15 ³⁰ – 16 ⁰⁰	Coffee Break
16 ⁰⁰ – 18 ⁰⁰	POSTER SESSION A
A01	Piotr Firek, Kinga Kondracka, Anna Kiepusa, Michał Waśkiewicz, Sławomir Lewicki, Robert Zdanowski, Mariusz Sochacki Influence of gate dielectric in FET structure on the possibilities of cell viability identification
A02	Jerzy Kalenik, Wojciech Stęplewski, Janusz Borecki, Aneta Chołaj, M. Kozłowski, T. Serzysko False Piezoresistive Effect Indicator
A03	Piotr Jankowski-Mihułowicz, Anna Ziobro Efficiency conditions of the textronic UHF RFID transponder
A04	Magdalena Nizioł, Piotr Jankowski-Mihułowicz, Mariusz Węglarski The influence of the washing process on the impedance of textronic RFID transponder antennas
A05	Damian Kawalec, Piotr Jankowski-Mihułowicz Improving the efficiency of logistics and warehouse processes through the use of RFID technology, paying attention to the synthesis of the RFID tag antenna
A06	Patryk Pyt Stand for measuring thermoelectric cells

- A07 Maciej Krawczyk, Ryszard Korbutowicz, Helena Teterycz
A Impedance Spectroscopy of SnO₂/β-Ga₂O₃ Core-Shell Fibrous Microstructures
- A08 Laura Jasińska, Krzysztof Stojek, Damian Nowak, Krzysztof Dzbik, Aleksandra Chudzyńska, Kamil Politański, Karol Malecha
Planar thick-film vacuum sensor – preliminary work
- A09 Szymon Wójcik, Mirosław Gierczak, Slavko Bernik, Nana Brguljan, Andrzej Dziedzic
Thick-film Ca₃Co₄O₉-Ag thermocouples and thermoelectric microgenerators
- A10 Szymon Wójcik, Mirosław Gierczak, Kathrin Reinhardt, Stefan Körner, Andrzej Dziedzic
Electrical and thermoelectric properties of thick-film CuNi-Ag and CuNi-Cu thermocouples and microgenerators
- A11 Maciej Krawczyk, Marta Fiedot-Toboła, Helena Teterycz
Analysis of phase transformations taking place in thermosensitive pectin films by impedance spectroscopy
- A12 Krzysztof Górecki, Paweł Górecki
The influence of mutual thermal couplings on the characteristics of IGBT module components
- A13 Krzysztof Górecki, Aleksandra Kalinowska, Przemysław Ptak
Comparison of selected methods of measuring the luminous flux of solid-state light sources

18⁰⁰ – 19⁰⁰ **IMAPS Poland General Assembly Meeting**

19⁰⁰ **Grill meeting**

Tuesday 26.09:

8⁰⁰ – 9⁰⁰ **Breakfast**

9⁰⁰ – 10³⁰ **Plenary session III** (Chairmen: Andrzej Dziedzic, Barbara Swatowska)

Arkadiusz Dąbrowski

Properties of LTCC components exposed to harsh environment

Wojciech Stęplewski, Andrzej Dziedzic, Aneta Chołaj, Marek Kościelski

Development of packaging technology and integration of electronic components with PCB

Balázs Illés, Agata Skwarek

Quality and reliability of composite solder joints

11⁰⁰ – 11³⁰ **Coffee Break**

11³⁰ – 12⁴⁵ **POSTER SESSION B**

- B01 Kacper Skrobacz, Mariusz Węglarski
Alarm indicators with RFID interface
- B02 Kacper Skrobacz, Patryk Pyt, Piotr Jankowski – Miłułowicz
Concept of the method for determining broadband parameters of RFID chips
- B03 Patryk Pyt, Piotr Jankowski-Miłułowicz, Mariusz Węglarski
Method of synthesis of capacitive RFID humidity sensors
- B04 Marek Guzewicz, Ewelina B. Możdżynska, Jacek Ratajczak, Marek Wzorek, Kinga Kościewicz, Bartek Witkowski, Elżbieta Guzewicz, Douglas Cameron, Rob Martin
BGaN-based Structures for Defects-related Red LEDs - Cathodoluminescence Studies
- B05 Aneta Chołaj, Mirosław Kozłowski, Marek Kościelski, Wojciech Stęplewski, Ryszard Diduszko
Effect of isothermal aging on IMC growth in SAC-base solder for demanding application
- B06 Beata Synkiewicz-Musialska, Dorota Szwagierczak, Jan Kulawik, Krzysztof Szostak, Norbert Pałka
Doped Li₂WO₄ ceramics with low dielectric permittivity at terahertz frequencies for ULTCC substrates
- B07 Beata Synkiewicz-Musialska, Radosław Cichocki, Kirnamai Uppuluri, Bartłomiej Sikora, Krzysztof Szostak, Karolina Kula
Biodegradable substrates based on gelatin, propylene glycol and cellulose for transient flexible printed electronics

- B08 Wiesław Sabat, Dariusz Klepacki, Kazimierz Kuryło, Kazimierz Kamuda
Mathematical model of the susceptibility of an electronic element to a standardised type of electromagnetic disturbance
- B09 Wiesław Sabat, Dariusz Klepacki, Kazimierz Kamuda, Kazimierz Kuryło, Piotr Jankowski – Mihałowicz
Efficiency measurements of energy harvesting from electromagnetic environment for selected harvester systems
- B10 Marcin Myśliwiec, Ryszard Kisiel
Thermal interface materials - influence of the type of interface metallization on the thermal resistance of the joint
- B11 Stanisław Karcz, Dominik Grochala, Anna Paleczek, Kamil Staszek, Artur Rydosz
The development of the gas-sensing chamber for microwave-based gas sensors
- B12 Barbara Swatowska, Wiesław Powroźnik, Jarosław Kanak, Kamil Szklorz
Structural and optical properties of solar cells with all back contact
- B13 Olga Rac-Rumijowska, Katarzyna Kaczkowska, Maksymilian Woźniak, Iwona Karbownik, Tomasz Rybicki
Electroconductive layer screen printed on textiles

13⁰⁰ – 14⁰⁰

Lunch

14⁰⁰ – 19⁰⁰

Culture Program/ Recreation

20⁰⁰

Gala Dinner

Wednesday 27.09:

8⁰⁰ – 9³⁰

Breakfast

10⁰⁰ – 11¹⁵

Plenary session IV (Chairmen: Piotr Jasiński, Krzysztof Górecki)

Piotr Markowski

Thick-film thermoelectric energy harvesters

Mariusz Węglarski, Piotr Jankowski-Mihałowicz

Galvanic Less Coupling in Textronic RFID Transponders

11¹⁵ – 11⁴⁵

Coffee Break

11⁴⁵ – 12⁰⁰

Conference Closing

12⁰⁰

Lunch