

22.09 - Sunday

16 ⁰⁰	Registration
19 ³⁰ -20 ³⁰	Supper
20 ³⁰ -22 ⁰⁰	IMAPS – Poland Board Meeting – Biznes Club room

23.09 - Monday

7 ⁰⁰ -9 ⁰⁰	Breakfast
9 ⁰⁰ -9 ¹⁰	Conference opening
9 ¹⁰ -9 ⁴⁵	Jerzy Kątki, <i>Institute of Electron Technology (ITE) - research potential in nanotechnology</i>
9 ⁴⁵ -10 ³⁰	Rainer Dudek, <i>Reliability investigations for high temperature interconnects</i>
10 ³⁰ -11 ¹⁵	Josef Sandera, <i>Electronic and microelectronic modules</i>
11 ¹⁵ -11 ³⁰	Coffee break
11 ³⁰ -12 ¹⁵	Robert Bogdanowicz, <i>Hybrid boron-doped diamond structures for chemical and optical sensing</i>
12 ¹⁵ -13 ⁰⁰	Senseiver keynote
13 ⁰⁰	Lunch
14 ⁰⁰ -15 ³⁰	Poster Session I
15 ³⁰ -16 ⁰⁰	Coffee break
16 ⁰⁰ -17 ³⁰	Poster Session II
18 ⁰⁰ -19 ⁰⁰	IMAPS – Poland General Assembly
19 ⁰⁰ -20 ⁰⁰	Grill
20 ³⁰	Music Performance – RETRO CLUB

24.09 – Tuesday

7 ⁰⁰ -9 ⁰⁰	Breakfast
9 ⁰⁰ -9 ⁴⁵	Goran Radosavljević, <i>LTCC Integrated Passive Components</i>
9 ⁴⁵ -10 ³⁰	Goran Stojanović, <i>New trends in flexible electronics</i>
10 ³⁰ -10 ⁴⁵	Coffee break
10 ⁴⁵ -11 ³⁰	Marco Luniak, <i>Polymer trick film technology – materials and applications</i>
11 ³⁰ -12 ¹⁵	Piotr Majchrzak, <i>Model of the integral thermal conductivity of granular structures</i>
12 ¹⁵ -13 ⁰⁰	Krzysztof Górecki, <i>Measurements of thermal resistance of Power LEDs</i>
13 ⁰⁰	Lunch
14 ⁰⁰ - 18 ³⁰	Excursion
19 ⁰⁰ -01 ⁰⁰	Gala dinner

25.09 – Thursday

7 ⁰⁰ -9 ⁰⁰	Breakfast
9 ⁰⁰ -9 ⁴⁵	Jarosław Domaradzki, <i>Inorganic oxides for transparent electronics: past, present and future prospects</i>
9 ⁴⁵ -10 ³⁰	Piotr Słobodzian, <i>Inorganic oxides for transparent electronics: past, present and future prospects</i>
10 ³⁰ -10 ⁴⁵	Coffee break
10 ⁴⁵ -11 ³⁰	Piotr Firek , <i>Forty years of ISFETOLOGY</i>
11 ³⁰ -12 ¹⁵	Katarzyna Zakrzewska, <i>Functional nanomaterials for electronic applications</i>
12 ¹⁵ -13 ⁰⁰	Conference closing
13 ⁰⁰	Lunch

Poster Session 1 - 23.09 – Monday 14⁰⁰ - 15³⁰

1. Brandenburg Annica, Kita Jaroslaw, Wappler Eberhard, Moos Ralf *Optimization of a miniaturized ceramic differential scanning calorimeter device* (102)
2. Dąbrowski Arkadiusz, Elkjaer Karl, Borregaard Louise, Zawada Tomasz, Golonka Leszek *LTCC/PZT accelerometer in SMD package* (103)
3. Malecha Karol, Dawgul Marek, Pijanowska Dorota *Ion selective electrode made with LTCC (low temperature co-fired ceramics) technology* (108)
4. Kulawik Jan, Szwegierczak Dorota, Synkiewicz Beata *Preparation by tape casting and characterization of Pr₂O₃-doped ZnO multilayer varistors* (109)
5. Cvejn Katarina, Manjakkal Libu, Kulawik Jan, Zaraska Krzysztof, Szwegierczak Dorota *Synthesis, electrical characterization, and application in oxygen sensors of Sr doped samarium cobaltite* (110)
6. Mitar Simic *Microcontroller Based System for Measuring and Data Acquisition of Air Relative Humidity and Temperature* (111)
7. Marszałek Konstanty, Winkowski Paweł, Marszałek Marta *Antireflective bilayer coatings based on Al₂O₃ film for UV region* (112)
8. Marszałek Konstanty, Stapinski Tomasz, Swatowska Barbara, Marszałek Marta *Properties of the magnetron sputtered tungsten oxide electrochromic films* (114)
9. Świerczyński Ryszard, Urbański Krzysztof, Wymysłowski Artur *Methods and tools for multi-criteria selection of sensor system components* (115)
10. Urbański Krzysztof, Świerczyński Ryszard *A standalone device for power measurement in energy harvesting applications* (116)
11. Prociow Eugeniusz, Mazur Michał, Bochenski Jakub, Domaradzki Jaroslaw, Wojcieszak Damian, Kaczmarek Danuta *Electrical and optical properties of magnetron sputtered TiO₂ thin film doped with niobium* (118)
12. Mroczkowski Mateusz, Firek Piotr, Kalenik Jerzy, Kozłowski Mirosław, Szmidt Jan *Influence of temperature and humidity on titanium electrodes intended for an above normative conditions sensors* (119)
13. Macioszczyk Jan, Dąbrowski Arkadiusz, Słobodzian Piotr, Golonka Leszek *Meander monopole LTCC antenna for ISM 2.4 GHz* (122)
14. Barteczka Beata, Słobodzian Piotr, Dąbrowski Arkadiusz, Golonka Leszek *Influence of firing process on electromagnetic properties of microwave LTCC substrate* (129)
15. Kalenik Jerzy, Mroczkowski Mateusz, Firek Piotr, Czerwosch Elżbieta, Szmidt Jan *Sensor Head for Hydrogen Detection* (135)
16. Manjakkal Libu, Cvejn Katarina, Kulawik Jan, Czyrnek Grzegorz, Zaraska Krzysztof, Szwegierczak Dorota *Screen printed metal oxide pH sensor for monitoring of water pollution* (136)
17. Nowak Damian, Stafiniak Andrzej, Dziedzic Andrzej *Analysis of electromigration phenomenon in thick-film and LTCC structures at elevated temperature* (138)
18. Futera Konrad, Jakubowska Małgorzata, Kozioł Grażyna, Araźna Aneta, Janeczek Kamil *Method of making electric connections using inkjet printing on multilayer LTCC substrates* (141)
19. Markowski Piotr *LTCC-based thermoelectric energy harvester* (142)
20. Zawadzka Monika, Kulawik Jan, Szwegierczak Dorota, Zaraska Krzysztof *Free-grown polypyrrole sensors* (144)
21. Jurkow Dominik *Influence of cofiring process condition on Low Temperature Cofired Ceramics membrane deflection* (148)
22. Ardanowska Ewa, Kalinowski Paweł, Woźniak Łukasz, Jasiński Grzegorz, Jasiński Piotr *Real-time working gas recognition system based on the array of semiconductor gas sensors and portable computer Raspberry PI* (152)
23. Gwiżdż Patryk, Brudnik Andrzej, Zakrzewska Katarzyna *Gas detection with an array of metal oxide gas sensors – signal processing and recognition* (154)
24. Strzelczyk Anna, Jasinski Grzegorz, Chachulski Bogdan, *Influence of the internal electrolyte composition on amperometric sulphur dioxide sensor properties* (160)
25. Strzelczyk Anna, Jasinski Grzegorz, Chachulski Bogdan, Jasinski Piotr *Investigation of electrocatalytic gas sensor properties in presence of chlorine* (161)
26. Suchorska-Woźniak Patrycja, Teterycz Helena *Evaluation of the sensors for the detection of low concentrations of hydrogen sulfide* (162)
27. Winiarski Paweł, Kłossowicz Adam, Stęplewski Wojciech, Nowak Damian, Dziedzic Andrzej *Analysis of steady-state and transient thermal properties of cermet, polymer and LTCC thick-film resistors* (163)
28. Czok Mateusz, Malecha Karol, Golonka Leszek *Microfluidic valve made in LTCC (low temperature co-fired ceramic) technology – preliminary results* (164)
29. Miličević Milenko, Milinković Branislava, Simić Đorđe, Grujić Dušan, Đurić Radivoje *Temperature and Process Compensated Broad Band CMOS RF Power Detector* (169)
30. Iavorschi Anatolie, Zoric Nenad, Sireteanu Mariana Pintilie, Toskov Sasa, Tavares Vitor, Mendonca Helio, Radosavljević, Goran, *Read-out circuit for Inter-Digital Capacitive sensors realized in LTCC technology* (171)
31. Izydorczyk Weronika, Waczyński Krzysztof, Izydorczyk Jacek, Karasiński Paweł, Mazurkiewicz Janusz, Magnuski Mirosław, Uljanow Jerzy, Waczyńska-Niemiec Natalia, Filipowski Wojciech *Electrical and optical properties of spin-coated SnO₂ nanofilms* (177)
32. Maziarz Wojciech, Rydosz Artur, Wysocka Kinga, Pisarkiewicz Tadeusz *Sensor properties of ZnO:Al nanofibres obtained by electrospinning* (182)

1. Arażna Aneta, Koziół Grażyna, Futera Konrad, Janeczek Kamil, Lipiec Krzysztof *Preliminary thermal annealing tests of OLED glass samples* (101)
2. Górecki Krzysztof, Detka Kalina, *The electrothermal model of the choking-coil for SPICE* (106)
3. Szwagierczak Dorota *Comparative study on structural and dielectric properties of high permittivity A2/3CuTa4O12 (A= Bi, Nd, Sm, Gd, Dy) ceramics* (107)
4. Król Dawid, Wymysłowski Artur, Zubel Irena, Rola Krzysztof *Comparison of the surface energy obtained by using the molecular modelling with the wetting angle measurement* (113)
5. Andriyevskyy Bohdan, Jaskólski Marcin, Stadnyk Vasyl' Y, Romanyuk Mykola O, Kashuba Z. O, Romanyuk Mykola M *Influence of uniaxial stresses on electronic and optical properties of K2SO4 crystal* (120)
6. Firek Piotr, Waśkiewicz Michał, Stonio Bartłomiej, Szmidt Jan *Technology of MIS/ISFET with SiO2/AlN system as a gate insulator* (121)
7. Sitek Janusz, Kościelski Marek *Influence of micro additives on printing and electric parameters of conductive adhesives for printing electronic applications* (123)
8. Kościelski Marek, Sitek Janusz *Influence of the flux properties on quality and the microstructure of lead-free solder joints executed by selective soldering* (125)
9. Dorczyński Mateusz, Jurkow Dominik, Golonka Leszek *Investigation of conductive via properties using Design of the Experiment methodology* (126)
10. Synkiewicz Beata, Skwarek Agata, Witek, Krzysztof *Void investigation in solder joints performed with Vapour Phase Soldering (VPS)* (127)
11. Płatek Bartosz, Falat Tomasz, Felba Jan *Molecular Dynamics Calculations of the Growth Rate Constant and Activation Energy for In/Cu Compound in Indium Based Thermal Interface Material* (130)
12. Maeder Thomas, Jacq Caroline, Ammon Ludivine, Ryser Peter *Tunable PTC effect in polymer-wax-carbon composite resistors* (131)
13. Steplewski Wojciech, Dziedzic Andrzej, Borecki Janusz, Koziół Grażyna, Serzysko Tomasz *Environmental tests of embedded thin- and thick-film resistors in comparison to chip resistors* (132)
14. Zhang Yan, Sitek Janusz, Fan Jing-yu, Ma Shiwei, Kościelski Marek, Liu Johan *Characterization of Nano-enhanced Interconnect Materials for Fine Pitch Assembly* (140)
15. Klimiec Ewa, Piekarski Jacek, Zaraska Wiesław, Jasiewicz Barbara *Electronic measurement system for examination of the kinetics of foot working in natura* (143)
16. Marek Guzewicz, Krystyna Golaszewska, Renata Kruszka, Eliana Kaminska, Anna Piotrowska, Elzbieta Dynowska, Andrzej Mycielski, Krzysztof Dybko, Michał Szot, Tomasz Story, *Comparative study of Au and RuSi metallization for ohmic contacts to Pb(Te,S)* (146)
17. Jankowski-Mihułowicz Piotr, Lichoń Wojciech, Pitera Grzegorz, Węglarski Mariusz *Impedance Matching Between Antenna and Chip in RFID Transponder of UHF Band* (147)
18. Frankiewicz Maciej, Gołda Adam, Kos Andrzej *Investigation of Integrated Circuit Thermal Parameters for Different Package Configurations* (149)
19. Kosikowski Mateusz, Suszyński Zbigniew *TLM Thermal Modeling of Flying Spot Measurement System* (150)
20. Drabczyk Kazimierz, Socha Robert, Panek Piotr, Mordarski Grzegorz *Electrodeposition of thin metallic layer for solar cell electrodes* (153)
21. Kalita Włodzimierz, Kamuda Kazimierz, Klepacki Dariusz, Sabat Wiesław *P.U.L Parameters Calculation for Cable Harnesses* (155)
22. Jankowski-Mihułowicz Piotr, Tomaszewski Grzegorz, Węglarski Mariusz *RFID Technique in Remote Control System* (156)
23. Kisiel Ryszard, Szczepański Zbigniew *Investigations of die bonding and wire bonding connections for high temperature applications (up to 500 C)* (157)
24. Wojciech Grzesiak, Krzysztof Witek, Ewa Klugmann-Radziemska, Paweł Grzesiak, *An Interactive system for remote modeling and design validation of hybrid photovoltaic projects* (158)
25. Słoma Marcin, Janczak Daniel, Wróblewski Grzegorz, Młodziak Anna, Jakubowska Małgorzata *Electroluminescent structures printed on paper and textile elastic substrates* (159)
26. Szwech Marcin, Kotarba Michał, Jakubowska Małgorzata *Recycling of electronic waste – new approach* (165)
27. Bład Grzegorz, Pilecki Mariusz, Potencki Jerzy, Tomaszewski Grzegorz, *Modeling of Properties of Multilayer Inductances Fabricated in Different Microelectronics Technologies* (166)
28. Bład Grzegorz, Pilecki Mariusz, Potencki Jerzy, Tomaszewski Grzegorz *Direct Current Method of Supercapacitors Parameters Identification* (168)
29. Jankowski Krystian, Wymysłowski Artur, Chicot Didier *Combined loading and failure analysis of lead-free solder joints due to creep and fatigue phenomena* (173)
30. Słoma Marcin, Lenkiewicz Karol, Wróblewski Grzegorz, Młodziak Anna, Jakubowska Małgorzata *Ink-jet printed dielectric layers containing BaTiO3 nanopowders* (175)
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32. Drabczyk Kazimierz, Panek Piotr *Influence of screen printing parameters on the front metallic electrodes geometry of solar cells* (179)
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