

## Poster Session 1 - 23.09 – Monday 14<sup>00</sup> - 15<sup>30</sup>

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 temperaturte co-fired ceramics) technology* (108)
4. Kulawik Jan, Szwagierczak Dorota, Synkiewicz Beata *Preparation by tape casting and characterization of Pr<sub>2</sub>O<sub>3</sub>-doped ZnO multilayer varistors* (109)
5. Cvejin Katarina, Manjakkal Libu, Kulawik Jan, Zaraska Krzysztof, Szwagierczak 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 Al<sub>2</sub>O<sub>3</sub> film for UV region* (112)
8. Marszałek Konstanty, Stapiński 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, Bochenksi Jakub, Domaradzki Jarosław, Wojcieszak Damian, Kaczmarek Danuta *Electrical and optical properties of magnetron sputtered TiO<sub>2</sub> 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, Czerwosz Elżbieta, Szmidt Jan *Sensor Head for Hydrogen Detection* (135)
16. Manjakkal Libu, Cvejin Katarina, Kulawik Jan, Czyrnek Grzegorz, Zaraska Krzysztof, Szwagierczak 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, Koziół 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, Szwagierczak Dorota, Zaraska Krzysztof *Free-grown polypyrrole sensors* (144)
21. Jurkow Dominik *Influence of cofiring process condition on Low Temperature Cofired Ceramics membrane deflection* (148)
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28. Czok Mateusz, Malecha Karol, Golonka Leszek *Microfluidic valve made in LTCC (low temperature co-fired ceramic) technology – preliminary results* (164)
29. Milićević Milenko, Milinković Branislava, Simić Đorđe, Grujić Dušan, Đurić Radivoje *Temperature and Process Compensated Broad Band CMOS RF Power Detector* (169)
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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 SnO<sub>2</sub> nanofilms* (177)
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