

Poster session (Mon, 18:00-20:00)



CEZAMAT

WARSAW UNIVERSITY OF TECHNOLOGY



- P1. Marko Boskovic** Humidity and CO2 sensing by graphene film based sensor obtained by liquid phase exfoliation
- P2. Francesco Arcadio** Plasmonic Sensors based on Plastic Light-Diffusing Fibers
- P3. Maciej Cieplak** Molecularly imprinted polymer based capacitive chemosensor for determination of heterocyclic aromatic amines in food samples
- P4. Christine Bauer** Detection of Foreign Items in Laundry Industry – a Dual Energy XRT approach
- P5. Szymon Baczyński** Novel, electrically-controlled periodic optical structures in the LC:PDMS architecture
- P6. Sylwia Karoń** Development of functional receptor layers based on DNA-directed immobilization for the SPRI immunosensing of viral infection biomarkers
- P7. Marcin Drozd** Miniaturized immunoplatforms supporting the diagnosis of lung cancer biomarkers and immunotherapies

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- P8. **Polina Ivanova** Nanozyme-based electrochemical immunodetection of genetic biomarkers of SARS CoV-2
- P9. **Katarzyna Tokarska** A fully integrated microfluidic-based POC device for COVID-19 testing
- P10. **Ewa Kobylska** Studies on recombinant insulin analogs interactions with partner cell membrane receptors using the SPR technique
- P11. **Michał Dudek** Evaluation of thermo-optical properties of selected liquids by photonic crystal fiber based sensor
- P12. **Anna Kurzych** Development of 3-Axis Fibre-Optic Seismograph for direct and autonomous monitoring of rotational events
- P13. **Chun-Chi Chen** CMOS Delay-Line-Based Smart Temperature Sensor
- P14. **David Valiente** Time degradation analysis of organic solar cells based on ITO / PEDOT:PSS / P3HT:PCBM / Al structure
- P15. **Krzysztof Herman** Sensor actuator network for in situ studies of antarctic plants physiology
- P16. **Tetiana Manyk** Theoretical study of the effect of stresses on the effective masses in the InAs/InAsSb type-II superlattice
- P17. **Anna Kiczor** Comparison of the properties of PMMA layers containing an organic dye and CdSe quantum dots for sensor applications.
- P18. **Magdalena Flont** A Body-on-a-chip microfluidic system for the analysis of inflammatory processes in the cancer microenvironment.
- P19. **Anna Szymczyk** Electrochemical detection of SARS-CoV-2 genetic markers using DNA biosensor based on stem-loop probe
- P20. **Jacek Majcher** Point measurements of soil moisture using TDR technique - comparison of probes
- P21. **Milija Sarajlic** Humidity and CO₂ sensing by graphene film based sensor obtained by liquid phase exfoliation

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- P22. **Patrycja Sokołowska** 5-hexadecanoyloxyoctadecanoic acid (5-PAHSA) as a potential therapeutic agent in diabetes? - preliminary studies using the newly developed, fully functional Islet-on-chip model
- P23. **Katarzyna Kurzątkowska-Adaszyńska** Electrochemical aptasensors as an ultra-sensitive tool for the detection of antibiotics after cattle antibiotic therapy
- P24. **Bartosz Sakowicz** Towards to automatic correction of unwanted artifacts observed in digital data continuously recorded by a rotational seismograph
- P25. **Iason-Ioannis Panagos** Tracking Multiple Instances of Retail Consumers from RGB and Thermal Images
- P26. **Joanna Korec** SPR sensor based on tapered optical fiber with a low refractive index liquid crystal cladding
- P27. **Monika Żuchowska** Threshold volatile organic compounds sensor based on polymer microtip
- P28. **Karol Stasiewicz** Research on optical properties in a tapered optical fiber with higher alkanes cladding doped with Fe₃O₄ nanoparticles
- P29. **Deuk Ju Lee** Compact Camera Fluorescence Detector for Real-Time PCR Devices Using a Parallel Light Lens
- P30. **Tomasz Grzywacz** Gas chambers shape design for electronic nose
- P31. **Angelos Stamou** Implementation of a smart lifejacket for assisting the evacuation process on large passengers ships
- P32. **Ji-Soo Hwang** An impedance-based label-free polymerase chain reaction chip and detection system
- P33. **Spela Trafela** Portable, highly sensitive and selective electrochemical biosensors for SARS-CoV-2 detection
- P34. **Rafał Tarakowski** Electronic nose designs for Dendrolimus pini odour detection

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- P35. **Katarzyna Tokarska** A fully integrated microfluidic-based POC device for COVID-19 testing
- P36. **Kristina Zagar Soderznik** Indirect detection of acrylamide using novel biosensor element
- P37. **Arjan Lock** FBG-based sensing of the back during gait cycle
- P38. **Piotr Garbat** Application of polarization sensing for detection in scattering media
- P39. **Andrzej Olszewski** Well-secured tests of innovative hydrostatic levelling system
- P40. **Jelena Stevanovic** Humidity and CO₂ sensing by graphene film based sensor obtained by liquid phase exfoliation
- P41. **Trang Anh Nguyen** Cell counting in silicon nanosensor for CAR T-cell therapy monitoring
- P42. **Ángel Solé Morillo** PPG EduKit: An Adjustable Photoplethysmography Evaluation System for Educational Activities
- P43. **Filip Łabaj** Design and development of a miniature mid-IR spectrometer for environmental sensing and food safety applications
- P44. **Diogo Gará Caetano** Public Lighting Recognition System based on Colored Reflection Index and Computational Machine Learning
- P45. **Ester Catalano** Distributed liquid level sensor based on Brillouin sensing and active thermometry
- P46. **Wojciech Żołnowski** Multispectral portable optical fiber reflectometer