

## Poster session, 16<sup>00</sup>-17<sup>30</sup>

1. Michał Dudek, Michał Józwik, *"Optical phase tomography system for studies of technical microobjects"*
2. Paulina Pura-Pawlikowska, Renata Wonko, Paweł Marć, Anna Spadło, Leszek R. Jaroszewicz, *"Polymer microbridges as effortless elements for POF coupling"*
3. J. Tarka, J. Sotor, G. Sobon, J. Boguslawski, M. Kowalczyk, I. Pasternak, A. Krajewska, W. Strupinski, K. M. Abramski, *"CVD graphene/PMMA saturable absorber based mode-locked laser power scaling"*
4. Bartłomiej W. Klus, Urszula A. Laudyn, Mirosław A. Karpierz, Olga Chojnowska, Roman Dąbrowski, *"Application of nonlinear optics to measurements of liquid crystals parameters"*
5. Maciej Napiórkowski, Wacław Urbańczyk, *"Resonant coupling between core and cladding modes in double helix fibers - rigorous simulations with the use of transformation optics formalism"*
6. Mateusz Straszewski, Gustaw Szawioła, Michał Dreger, Dobrosława Kasproicz, *"Holographic conversion of spatial laser light modes"*
7. Maciej Kraszewski, Michał Trojanowski, Marcin Strąkowski, Jerzy Pluciński, Bogdan Kosmowski, *"Polarization-sensitive optical coherence tomography with spectroscopic light analysis"*
8. Izabela Ducin, Karol Kakarenko, Michał Makowski, Adam Kowalczyk, Marcin Bieda, *"Study of image resolution in holographic color projection with additional phase factor"*
9. Karol Kakarenko, Izabela Ducin, Michał Makowski, Jarosław Suszek, Adam Kowalczyk, *"Comprehensive characterization of the UHD SLM optical parameters"*
10. Adam Kowalczyk, Izabela Ducin, Karol Kakarenko, Marcin Bieda, Michał Makowski, *"Using GPU for fast calculation of patterns for lens-less projection"*
11. Jan Bolek, Michał Makowski, *"Holographic projection in real-time"*
12. Kinga Taraszkiewicz, Michał Makowski, *"Remote topography measurements using a Spatial Light Modulator"*
13. Martyna Rachoń, Jarosław Bomba, Artur Sobczyk, Adam Kowalczyk, Karolina Węgrzyńska, Agnieszka Siemion, Jarosław Suszek oraz Maciej Sypek, *"Dispersion compensation in THz TDS goniometric setup"*

14. Krzysztof Czyż, *"Direct laser interference lithography for functionalisation of surfaces"*
15. Karolina Węgrzyńska, Jarosław Bomba, Artur Sobczyk, Adam Kowalczyk, Martyna Rachoń Agnieszka Siemion Jarosław Suszek and Maciej Sypek, *"THz range in goniometric Time Domain Spectroscopy setup"*
16. M. Mrotek, D. Milewska, K. Karpienko, M. S. Wróbel, M. Gnyba, J. Pluciński, M. Jędrzejewska-Szczerska, *"Analysis of measured low-coherence signals from biological samples"*
17. Maciej Chronik, *"Synthesis and second harmonic generation of rare earth-doped orthorhombic bismuth borates"*
18. Dominik Kowal, Gabriela Statkiewicz-Barabach, Paweł Mergo, Waław Urbańczyk, *"Inscription of long period gratings using an ultraviolet laser beam in the diffusion doped microstructured polymer optical fiber"*
19. Anna Kurzych, Zbigniew Krajewski, Jerzy K. Kowalski, Leszek R. Jaroszewicz, *"The innovative system based on the Sagnac effect for rotational phenomena monitoring"*
20. Paweł Jung, Urszula Laudyn, Michał Kwaśny and Mirosław Karpierz, *"Nematicons steering and routing at the disclination lines in chiral nematic liquid crystals"*
21. Adrian Łostowski, *"Gel phantom imaging using polarimetric optical tomography"*
22. Jakub Bogusławski, Jarosław Sotor, Grzegorz Soboń, Rafał Zybała, Jan Tarka, Maciej Kowalczyk, Krzysztof Mars, Andrzej Mikuła, Krzysztof M. Abramski, *"Ultrafast fiber laser based on Sb<sub>2</sub>Te<sub>3</sub> topological insulator saturable absorber"*
23. Konrad Jaroszewski, Mateusz Straszewski, Maciej Chronik, Andrzej Majchrowski, Dobrosława Kasprovicz, *"Raman investigations of bi-functional nonlinear optical Bi<sub>2</sub>ZnOB<sub>2</sub>O<sub>6</sub> single crystals and crystalline powders doped with Pr<sup>3+</sup> ions"*
24. Mateusz Szeląg, Tomasz Woliński, Piotr Lesiak, *"Experimental and numerical analysis of uniform fiber Bragg grating sensors embedded into composite material"*
25. Marcin S. Bieda, Piotr Sobotka, Piotr Lesiak, Tomasz R. Woliński, *"Interrogation system based on Chirped Fiber Bragg Grating sensor for dynamic strain monitoring in composites"*
26. Arkadiusz Kuś, Wojciech Krauze, *"Active, limited-angle tomographic phase microscope"*
27. Anna Jusza, Aleksandra Golba, Małgorzata Gil, Renata Łyszczek, Paweł Mergo, Paweł Polis, Ludwika Lipińska, Ryszard Piramidowicz. *"Novel luminescent materials based on polymer composites"*
28. Małgorzata Kujawinska, *"ACTPHAST - Supporting Companies with photonics innovation"*

29. Stanisław Stopiński, Anna Jusza, Krzysztof Anders, Marcin Lelit, Paweł Szczepański, Ryszard Piramidowicz, „*Photonic integrated circuits*”
30. Krzysztof Anders, Rafał Krysiński, Trevor M. Benson, Angela B. Seddon, Sławomir Sujecki and Ryszard Piramidowicz, „*New materials for MIR lasers and amplifiers*”
31. Jacek Galas, Dariusz Litwin, Adam Czyżewski, Stefan Sitarek, Piotr Czajka, Wojciech Mizak, Maciej Kochanowski, Maciej Socjusz, “*Advanced algorithms for 3D data reconstruction in the laser profilometry*”
32. Piotr Witoński, Agnieszka Mossakowska-Wyszyńska, “*Designing of 1D waveguide laser with three-layer PC*”
33. Agnieszka Mossakowska-Wyszyńska, Piotr Witoński, “*Bistable operation of 1D PC waveguide laser with saturable absorber*”
34. Anna Kozanecka-Szmigiel, Krzysztof Świtkowski, Ewa Schab-Balcerzak, Jolanta Konieczkowska, Mariola Siwy, “*Photoinduced optical anisotropy of novel azobenzene polyimides*”
35. Paweł Marć, “*Photonic crystal fiber transducers based on nanoparticles’ materials*”
36. Daniel Budaszewski, Abhishek K. Srivastava, Vladimir. G. Chigrinov, Tomasz. R. Woliński, “*Photo-aligned Photonic Ferroelectric Liquid Crystal Fibers*”
37. Jerzy Ciosek, “*Origin of the color effect in modified fuzzy PET*”