

## Списък на представянията на конференции

### Международни конференции

#### Поканени лекции

1. ПЛ1 - Н. Kang, E. Stoykova, Y. Kim, S. Hong, J. Park, and J. Hong, 3D color imaging by holographic printing, International symposium on Imaging, Sensing, and Optical Memory 2017, October 22 - 25, 2017, Kunibiki Messe, Matsue, Shimane, **Japan**
2. ПЛ2 - E. Stoykova, Coherent methods for synthesis of diffractive optical elements, monitoring of processes and 3D imaging, invited lecture, Global Holographic Industries Forum, 25-26 May, 2017, Gumi, **South Korea**
3. ПЛ3 - E. Stoykova, Optical sensing of activity based on dynamic speckle analysis, Global Holographic Industries Forum 2018 (GHIF 2018), Jeolabukdo Culture Contents Industry Agency Building, Jeonju, Jeonbuk, August 23th-24th, 2018, **South Korea**
4. ПЛ4 - E. Stoykova, Optical metrology by dynamic speckle analysis – algorithms, quality enhancement and applications, 4th Global Summit & Expo on Laser Optics & Photonics, 15 – 17 April, 2019, Dubai, **O.A.E.**
5. ПЛ5 - V. Madjarova, Optical coherence methods for studies in mechanics and medicine, XXXI Intern. School-Symposium on Holography, Coherent Optics and Photonics, 30 September – 04 October, 2019, Ekaterinenburg, **Russia**

#### Устни представяния

6. Д1 - R. Harizanova, L.Vladislavova, D. Tatchev, G. Avdeev, I. Avratnovaa, Ch. Bocker, L Mihailovu, I. Grgor, Ch. Riissel, Barium titanate glass ceramics as material for energy storage and sensor preparation, IV-th International Conference on Oxide and Non-Oxide Materials for Optoelectronics and Energy Applications (ICONMO-4), 16-19 March 2017, Borovetz, **Bulgaria**
7. Д2 - E. Stoykova, N. Berberova, D. Nazarova, and B. Ivanov, SLM-based testing of algorithms in dynamic speckle metrology, oral presentation, OSA conference Digital Holography&3D Imaging, 29 May – 01 June, 2017, Jeju island, **South Korea**
8. Д3 - Н. Kang, E. Stoykova, and J. Park, Generation of phase data for holographic stereogram printing on a photoresist, oral presentation, OSA conference Digital Holography&3D Imaging, 29 May – 01 June, 2017, Jeju island, **South Korea**
9. Д4 - R. Harizanova, L.Vladislavova, C. Bocker, G. Avdeev, C. Rüssel, Sr-substituted barium titanate glass ceramics prepared from oxide glasses as potential material for sensor applications, NATO Advanced Study Institute (SPS.ASI 985310) on Advanced Technologies for Detection and Defence Against CBRN Agents, Sozopol, 12 – 20 September, 2017, **Bulgaria**
10. Д5 - R. Harizanova, L.Vladislavova, G. Avdeev, C. Bocker, I. Gugov, C. Rüssel, Electron microscopy investigation of the microstructure and elemental composition of barium titanate precipitated in oxide glasses, 19th Conf. on glass and ceramics, 1-4 October 2017, Nessebar, **Bulgaria**

11. Д6 - E. Stoykova, M. Nenchev, M. Deneva, Increase of the free-spectral range by composing a structure from wavelength tunable wedged interferometers, oral presentation, SPIE Photonics Europe 22-26 April 2018, Strasbourg, **France**
12. Д7 - M. Nenchev, M. Deneva, E. Stoykova, Composite wavelength tunable interferential wedge structures in optical communications and spectroscopy, TIEM 2018, 28-29 May, Bozcaade. **Turkey**
13. Д8 - E. Stoykova, M. Deneva, M. Nenchev. Analysis of Fizeau wedge with a non-air gap by plane wave expansion, SPIE IV Intern. Conference on Applications in Optics and Photonics, 31 May – 04 June 2019, Lisbon, **Portugal**
14. Д9 - E. Stoykova, Y. Kim, and J. Park, Compressed dynamic speckle sensing, Imaging and Applied Optics Congress, Optical Society of America, Digital Holography&3D Imaging, 22 – 26 June 2020, Vancouver, **Canada**
15. Д10 - E. Stoykova, H. Zhou, and P. Banerjee, Phase Retrieval by Transport of Intensity in Inline Digital Holography, Imaging and Applied Optics Congress, Optical Society of America, Digital Holography&3D Imaging, 22 – 26 June 2020, Vancouver, **Canada**

### Постерни представления

16. П1 - E. Stoykova, Y. Kim, Intensity-based dynamic speckle analysis at decreased number of speckle patterns, poster, OSK annual winter meeting, Kangwon-do, 15-17 February 2017, **South Korea**
17. П2 - E. Stoykova, G. Mateev, D. Nazarova, N. Berberova, B. Ivanov, Pointwise intensity-based dynamic speckle analysis with binary patterns, poster, SPIE Optical Metrology, 25 – 29 June, 2017, Munich, **Germany**
18. П3 - E. Stoykova, B. Blagoeva, D. Nazarova, L. Nedelchev, T. Nikova, N. Berberova, Y.-M. Kim, H.-J. Kang, Evaluation of temporal scales of migration of cosmetic ingredients into the human skin by two-dimensional dynamic speckle analysis, VI International School and Conference on Photonics “Photonica 2017”, 28 August – 1 September, 2017, Belgrade, **Serbia**
19. П4 - M. Nenchev, E. Stoykova, M. Deneva, Development of composite wavelength tunable interference wedged structures for laser technology, spectroscopy and optical communications, VI International School and Conference on Photonics “Photonica 2017”, 28 August – 1 Sept., 2017, Belgrade, **Serbia**
20. П5 - V. Zhelev, R. Harizanova, A. Stoilova, V. Gaydarov, G. Zamfirova, E. Stoykova, D. Nazarova, L. Nedelchev, Thermal properties and microhardness of azopolymer thin films for optical applications, International conference on advanced optical materials and technologies, Borovets 27-29 April, 2018, **Bulgaria**.
21. П6 - E. Stoykova, M. Nenchev, M. Deneva, Y. Kim, Beam Shaping by a Stack of Fizeau Wedges for Metrology, OSA conference Digital Holography&3D Imaging, 25-28 June, 2018, Orlando, Florida **USA**
22. П7 - R. Harizanova, A. Stoilova, V. Zhelev, V. Gaidarov, G. Zamfirova, E. Stoykova, D. Nazarova, L. Nedelchev, Characterization of the properties and microstructure of azopolymer thin films for optical recording, 5th Intern. Conf. on Physics of Optical Materials and Devices, 27-31 August, Igalo, **Montenegro**

23. **П8** - E. Stoykova, Preprocessing of raw data for quality enhancement of the pointwise dynamic speckle analysis, SPIE VII International Conference on Speckle Metrology 10-12 Sept. 2018, Janow Podlaski, **Poland**
24. **П9** - E. Stoykova, B. Blagoeva, T. Nikova, D. Nazarova, L. Nedelchev, Monitoring of a drying process in polymer water and methanol solutions by dynamic speckle metrology, 20<sup>th</sup> Intern. SPIE conference and school on quantum electronics, 17-21 Sept., Nessebar, **Bulgaria**
25. **П10** - T. Nikova, E. Stoykova, Modeling of polarization optical systems by calculating Jones matrices, 20<sup>th</sup> Intern. SPIE conference and school on quantum electronics, 17-21 Sept., Nessebar, **Bulgaria**
26. **П11** - E. Стойкова, Д. Назарова, Б. Иванов. Мониторинг процессов методом динамического лазерного спекл-анализа, VIII Intern. Conf. on Photonics and Information Optics, 23 -25 January 2019, Moscow, **Russia**
27. **П12** - V. Zhelev, R. Harizanova, A. Stoilova, V. Gaydarov, G. Zamfirova, E. Stoykova, D. Nazarova, L. Nedelchev, Characterization of the thermal and mechanical properties of azopolymer thin films, Intern. Conf. on Oxide and Non-Oxide Materials for Optoelectronics and Energy Applications, 20-23 March 2019, Borovetz, **Bulgaria**.
28. **П13** - E. Stoykova, B. Blagoeva, L. Nedelchev, D. Nazarova. Temperature dependence of the drying process in azopolymer solutions observed by dynamic speckle detection, SPIE IV Intern. Conf. on Applications in Optics and Photonics, 31 May – 04 June 2019, Lisbon, **Portugal**
29. **П14** -E. Stoykova, G. Mateev, B. Blagoeva, B. Ivanov, D. Nazarova, L. Nedelchev, Dynamic Speckle Analysis with Two-Wavelength Acquisition, SPIE 8th Conference on Applied Optics and Photonics (China), 7 – 9 July 2019, Beijing, **China**
30. **П15** - R. Harizanova, V. Gaydarov, G. Zarnftova, E. Stoykova, D. Nazarova, B. Blagoeva, L. Nedelchev, Mechanical Properties and Surface Quality Characterization of Thin Azopolymer Films, 21-st Intern. Summer School VEIT, 23 -27 Sept. 2019, Sozopol, **Bulgaria**
31. **П16** - E.Stoykova, N.Berberova, B. Blagoeva, L.Nedelchev, D. Nazarova, G. Mateev, T. Nikova, Recognition of activity patterns by dynamic speckle analysis, 22nd Intern. Conf. "Materials, Methods & Technologies", 29 Aug. – 01 Sept. 2020, Burgas, **Bulgaria**

### **Национални конференции**

32. **П17** -В. Желев, А. Стоилова, Р. Харизанова, В. Гайдаров, Г. Замфирова, Л. Неделчев, Д. Назърова, Е. Стойкова, Термични и механични свойства на азополимерни слоеве като среда за оптичен запис, XV Научна постерна сесия за млади учени, докторанти и студенти, 23 май 2018г., ХТМУ-София
33. **П18** -А. Стоилова, Р. Харизанова, В. Гайдаров, Г. Замфирова, Л. Неделчев, Д. Назърова, Е. Стойкова, Характеризиране на термични и механични свойства на азополимерни тънки слоеве за оптичен запис, XVI Научна постерна сесия за млади учени, докторанти и студенти, Химикотехнологичен и металургичен университет, София, 23 май, 2019