



PRESENTATIONS AT INTERNATIONAL CONFERENCES

- 2015 -

1. T. Dascalu, A. Ionescu, G. Salamu, O. Grigore, M. Dinca, F. Voicu, C. Brandus, and N. Pavel, "Novel Thin Disk Lens Shaped Composite Nd:YAG/YAG Ceramic Laser," CLEO Europe - EQEC 2015 Conference, 21-25 June 2015, München, Germany; presentation CA-10.4 (oral presentation).
2. N. Pavel, T. Dascalu, M. Dinca, G. Salamu, N. Boicea, and A. Birtas, "Automobile Engine Ignition by a Passively Q-switched Nd:YAG/Cr⁴⁺:YAG Laser," CLEO Europe - EQEC 2015 Conference, 21-25 June 2015, München, Germany; presentation CA-5b.2 (oral presentation).
3. C.A. Brandus, L. Gheorghe, A. Achim, G. Stanciu, and T. Dascalu, "Evaluation of co-doped Lu³⁺, Nd³⁺:GdCa₄O(BO₃)₃ single crystal, a potential self-doubling material with emission in green spectral range," CLEO Europe - EQEC 2015 Conference, 21-25 June 2015, München, Germany; presentation CA-P.32 (poster presentation).
4. G. Salamu, N. Pavel, T. Dascalu, F. Jipa, and M. Zamfirescu, "Diode-Pumped Laser Emission from Depressed Cladding Waveguides Inscribed in Nd-doped Media by Femtosecond Laser Writing Technique," CLEO Europe - EQEC 2015 Conference, 21-25 June 2015; München, Germany, presentation CA-P.29 (poster presentation).
5. N. Pavel, G. Salamu, O. V. Grigore, M. Dinca, T. Dascalu, N. Boicea, and A. Birtas, "High-Peak Power Passively Q-switched Nd:YAG/Cr⁴⁺:YAG Lasers for Successful Ignition of an Automobile Engine," The 15th International Balkan Workshop on Applied Physics, July 2-4, 2015, Constanta, Romania; presentation S2-L3, Book of Abstracts, pgs. 80-81 (invited presentation).
6. A. Stefan, S. Georgescu, O. Toma, and C. Matei, "Upconversion luminescence in CaSc₂O₄ codoped with Er³⁺ and Yb³⁺," The 8th International Conference on Advanced Materials, ROCAM 2015, 7-10 July 2015, Bucharest, Romania; (oral presentation).
7. G. Salamu, O. Grigore, T. Dascalu, and N. Pavel, "High energy, high-peak power passively Q-switched Nd:YAG/Cr⁴⁺:YAG composite ceramic laser," ROMOPTO 2015, 11th International Conference on Optics "Micro- to Nano-Photonics IV", September 1-4, 2015, Bucharest, Romania; presentation I.P.1 (poster presentation).
8. N. Pavel, G. Salamu, F. Voicu, O. Grigore, T. Dascalu, F. Jipa, and M. Zamfirescu, "Depressed-cladding waveguides inscribed in Nd:YAG and Nd:YVO₄ by femtosecond-laser writing technique. Realization and laser emission," ROMOPTO 2015, 11th International Conference on Optics "Micro- to Nano-Photonics IV", September 1-4, 2015, Bucharest, Romania; presentation I.I.7 (invited presentation).
9. T. Dascalu, A. Popa, O. Grigore, M. P. Dinca, G. Cojocar, R. Ungureanu, D. F. Mihailescu, "High-Intensity THz Pulses: Generation and Applications," ROMOPTO 2015, 11th International Conference on Optics "Micro- to Nano-Photonics IV", September 1-4, 2015, Bucharest, Romania; presentation I.I.4 (invited presentation).
10. D. Avram, B. Cojocar, M. Florea, V. Parvulescu, and C. Tiseanu, "Luminescence properties of CeO₂ doped with Ln ions under optical and X-ray excitation modes," The 4th International Conference on the Physics of Optical Materials and Devices, ICOM 2015, 31 August - 04 September 2015, Budva, Montenegro; Book of Abstracts, ISBN: 978-86-7306-134-4, p. 53, presentation S9-O30-165; (oral presentation).



NATIONAL INSTITUTE FOR LASER, PLASMA AND RADIATION PHYSICS

ATOMISTILOR Street 409, P.O. Box: MG-36, Magurele, Ilfov, 077125, ROMANIA
Tel.: +40 21 457-4489 FAX: +40 21 457-4243

11. V. Lupei, A. Lupei, C. Gheorghe, A. Ikesue, "Spectroscopic and de-excitation properties of (Cr, Nd):YAG ceramics," 9th International Conference on F-Elements, 06 - 09 September 2015, UK, Oxford; (poster presentation).
12. V. Lupei, A. Lupei, S. Hau, C. Gheorghe, F. Voicu, "Compositional disorder effects in the spectra of Nd³⁺ in Y₃Sc_xAl_{5-x}O₁₂ ceramics," 9th International Conference on F-Elements, 06 - 09 September 2015, UK, Oxford; (poster presentation).
13. L. Gheorghe, A. Achim, F. Voicu, G. Stanciu, "Advanced NLO Crystals for Efficient Blue Laser Sources Based on SHG Processes," Advanced Solid State Lasers Conference and Exhibition (ASSL), 04 - 09 October 2015, WISTA-Technology Park, Adlershof-Berlin, Germany; presentation ATu2A.3 (poster presentation).
14. N. Pavel, T. Dascalu, M. Dinca, G. Salamu, N. Boicea, A. Birtas, "Laser Ignition of an Automobile Engine by a High-Peak Power Nd:YAG/Cr⁴⁺:YAG Laser," Advanced Solid State Lasers Conference and Exhibition (ASSL), 04 - 09 October 2015, WISTA-Technology Park, Adlershof-Berlin, Germany; presentation ATh2A.2 (poster presentation).
15. C. Gheorghe, A. Lupei, S. Hau, F. Voicu, A. M. Vlaicu, M. Enculescu, and L. Gheorghe, "Compositional dependence of optical properties of Sm³⁺-doped Y₃Sc_xAl_{5-x}O₁₂ polycrystalline ceramics," 4th International conference on RARE EARTH MATERIALS, REMAT 2015, 26-28 October 2015, Wroclaw, Poland; (poster presentation).
16. S. Hau, C. Gheorghe, A. Lupei, and L. Gheorghe, "Optical properties of Sm³⁺: CLNGG polycrystalline ceramics," 4th International conference on RARE EARTH MATERIALS, REMAT 2015, 26-28 October 2015, Wroclaw, Poland; (poster presentation).
17. D. Avram, C. Tiseanu, and I. Tiseanu, "X-ray and UV to NIR optical excitation of luminescence in doped nanoparticles for bioimaging, spectral converters and telecommunication," PRORA 2015, The 8th congress on X-ray analytics for industrial processes, 12 - 13 November 2015, Berlin, Germany; (poster presentation).
18. G. Stanciu, V. Ion, N. D. Scarisoreanu, E. Andronescu, M. Dinescu, "Synthesis of calcium doped strontium barium niobate," The fourth edition of the International Colloquium 'Physics of Materials' - PM-4 2014, 13-14 November, UPB, Bucharest, Romania; presentation P8 (poster presentation).
19. N. D. Scarisoreanu, R. Birjega, V. Ion, A. Andrei, G. Stanciu, M. Dinescu, "Growth of epitaxial Sr_xBa_{1-x}Nb₂O₆ and Ca - doped Sr_xBa_{1-x}Nb₂O₆ thin films by PLD for optical and electro-optical devices," E-MRS 2015 Spring Meeting, 11-15 May, Lille, France; presentation CC.PI58 (poster presentation).