



## PRESENTATIONS AT INTERNATIONAL CONFERENCES

- 2016 -

1. J. Nikkinen, A. Härkönen, I. Leino, V.-M. Korpijärvi, G. Salamu, and M. Guina, "Q-switched microchip MOPA generating 100 ps pulses at 532 nm," SPIE Photonics West 2016, Solid State Lasers XXV: Technology and Devices, Conference 9726, Paper 9726-75, 13-18 February 2016, San Francisco, USA; (poster presentation).
2. P. Loiseau, F. Khaled, G. Aka, L. Gheorghe, F. Voicu, G. Salamu, A. Achim, and N. Pavel, "Nonlinear optical borates suitable for crystal growth by Czochralski method frequency doubling and self-frequency doubling in the visible range," 7th International Symposium on Optical Materials, 29 Feb. - 04 March 2016, Lyon, France; invited talk I-7.
3. C.-A. Stanciu, T. Dascalu, G. Stanciu, N. Pavel, "Transparent Nd:YAG Ceramic Media," 3<sup>rd</sup> International School and Conference "Saint Petersburg OPEN 2016", 28-30 March, Saint Petersburg, Russia, 2016; (poster presentation).
4. A. Birtas, G. Croitoru (Salamu), M. Dinca, T. Dascalu, N. Boicea, and N. Pavel, "The effect of laser ignition on a homogenous lean mixture of an automotive gasoline engine," The 4th Laser Ignition Conference, 17-20 May 2016, Pacifico Yokohama, Yokohama, Japan, presentation LIC6-2 (oral presentation). (page 78 of <http://opicon.jp/wp-content/uploads/2016/05/OPIC2016FinalProgram.pdf>)
5. G. Croitoru (Salamu), O. V. Grigore, T. Dascalu, and N. Pavel, "Passively Q-switched Nd:YAG/Cr<sup>4+</sup>:YAG laser with multiple-beam output," The 4th Laser Ignition Conference, 17-20 May 2016, Pacifico Yokohama, Yokohama, Japan, presentation LICp-1 (poster presentation). (page 101 <http://opicon.jp/wp-content/uploads/2016/05/OPIC2016FinalProgram.pdf>)
6. G. Croitoru (Salamu), N. Pavel, T. Dascalu, F. Jipa, M. Zamfirescu, "Power-scaling from burried depressed-cladding waveguides realized in Nd:YAG and Nd:YVO<sub>4</sub> by direct writing with a femtosecond-laser beam," The 16<sup>th</sup> International Balkan Workshop on Applied Physics, 7-9 July, 2016, Constanta, Romania; Book of Abstracts, pp. 77-78 (S2 L3, invited presentation).
7. A. M. Voiculescu, C. Matei, C. Stanciu, S. Georgescu, "Synthesis and characterization of SrY<sub>2</sub>O<sub>4</sub> samples doped with rare earth ions," The 16<sup>th</sup> International Balkan Workshop on Applied Physics, 7-9 July, 2016, Constanta, Romania; Book of Abstracts, pp. 29-30 (S1 P4, poster presentation).
8. G. Stanciu, C. A. Stanciu, A. Stefan, T. Dascalu, S. Georgescu, "Structural and optical properties of Neodymium-doped Yttrium Aluminum Garnet (Nd:YAG) transparent ceramics," The 16<sup>th</sup> International Balkan Workshop on Applied Physics, 7-9 July, 2016, Constanta, Romania; Book of Abstracts, pp. 39-40 (S1 P21, poster presentation).
9. S. Hau, C. Gheorghe, L. Gheorghe, A. Achim, F. Voicu, M. Greuleasa, M. Enculescu, O. Toma, "Crystal growth and spectroscopic investigations of Sm<sup>3+</sup> doped CNGG and CLNGG single crystals," The 16<sup>th</sup> International Balkan Workshop on Applied Physics, 7-9 July, 2016, Constanta, Romania; Book of Abstracts, p. 65 (S1 P58, poster presentation).
10. C. Matei, S. Georgescu, A. M. Voiculescu, O. Toma, "Spectroscopic characterization of LaGaO<sub>3</sub>:Er synthesized by solid state reaction," The 16<sup>th</sup> International Balkan Workshop on Applied Physics, 7-9 July, 2016, Constanta, Romania; Book of Abstracts, p. 70 (S1 P66, poster presentation).



11. A. Stefan, O. Toma, S. Georgescu, "Improving monochromaticity of green upconversion luminescence by codoping  $\text{Eu}^{3+}$  ions in  $\text{CaSc}_2\text{O}_4:\text{Ho}^{3+}:\text{Yb}^{3+}$ ," The 16<sup>th</sup> International Balkan Workshop on Applied Physics, 7-9 July, 2016, Constanta, Romania; Book of Abstracts, pp. 166-167 (S5 P9, poster presentation).
12. D. Avram, B. Cojocaru, M. Florea, I. Porosnicu, V. Parvulescu, and C. Tiseanu, "Role of defects in shaping the emission of Ln doped  $\text{CeO}_2$ ," 2016 International Conference on Defects in Insulating Materials (ICDIM 2016)", 10-15 July 2016, Lyon, France; presentation Th-P-16 (poster presentation).
13. O. Toma, S. Georgescu, and A. Stefan, "Excited-state absorption in erbium-doped ceramic langatate," 2016 International Conference on Defects in Insulating Materials (ICDIM 2016), 10-15 July 2016, Lyon, France (poster presentation).
14. O. Toma and S. Georgescu, "Excited-state absorption in Er-doped partially disordered calcium lithium niobium gallium garnet," 2016 International Conference on Defects in Insulating Materials (ICDIM 2016), 10-15 July 2016, Lyon, France (poster presentation).
15. V. Lupei, A. Lupei, C. Gheorghe, S. Hau, and A. Ikesue, "Dynamics of Sensitization in (Cr,Nd,Yb):YAG Ceramics," 9<sup>th</sup> International Conference on Dynamical Processes in Excited States of Solids (DPC'16), 17-22 July, Paris, France.
16. A. Lupei, V. Lupei, S. Hau, C. Gheorghe, and A. Ikesue, "Electron-phonon interaction of  $\text{Pr}^{3+}$  and  $\text{Sm}^{3+}$  in YAG," 9<sup>th</sup> International Conference on Dynamical Processes in Excited States of Solids (DPC'16), 17-22 July, Paris, France (poster presentation).
17. A. Stefan, S. Georgescu, and O. Toma, "Peculiarities of  $\text{Er}^{3+} \leftrightarrow \text{Yb}^{3+}$  energy transfer in  $\text{CaSc}_2\text{O}_4:\text{Er}:\text{Yb}$ ," 19<sup>th</sup> International Conference on Dynamical Processes in Excited States of Solids (DPC 2016), 17-22 July, 2016, Paris, France; Book of Abstracts, p. 202 (P29, poster presentation).
18. G. Croitoru, T. Dascalu, F. Jipa, M. Zamfirescu, N. Pavel, "High-power operation in circular buried depressed-cladding waveguides inscribed in Nd:YAG and Nd:YVO<sub>4</sub> by femtosecond-laser beam," 7th EPS-QEOD EUROPHOTON CONFERENCE, Solid State, Fibre, and Waveguide Coherent Light Sources, 21-26 August, 2016, Vienna, Austria; presentation FWG-4.4 (oral presentation).
19. O. V. Grigore, G. Croitoru, T. Dascalu, M. Dinca, N. Pavel, "Edge-pumped Nd:YAG/YAG lens-shaped composite laser," 7th EPS-QEOD EUROPHOTON CONFERENCE, Solid State, Fibre, and Waveguide Coherent Light Sources, 21-26 August, 2016, Vienna, Austria; presentation PO-2.1 (poster presentation).
20. L. Gheorghe, F. Khaled, A. Achim, F. Voicu, P. Loiseau, G. Aka, "Czochralski growth and NLO properties of incongruent melting  $\text{La}_x\text{Gd}_y\text{Sc}_z(\text{BO}_3)_4$  ( $x + y + z = 4$ ) crystal," 7th EPS-QEOD EUROPHOTON CONFERENCE, Solid State, Fibre, and Waveguide Coherent Light Sources, 21-26 August, 2016, Vienna, Austria; presentation PO-2.27 (poster presentation).
21. T. Dascalu, G. Croitoru, O. V. Grigore, and N. Pavel, "Multiple-Beam Output High-Peak Power Nd:YAG/Cr<sup>4+</sup>:YAG Laser for Laser Ignition," International Conference on Space Optics, ICSO 2016, 18-21 Oct. 2016, Biarritz, France; presentation 254 (poster presentation); Proc. of SPIE Vol. **10562**, 105625X (2016); doi: 10.1117/12.2296222
22. A. Andrei, G. Stanciu, N. D. Scarisoreanu, R. Birjega, A. Bercea, V. Ion, and M. Dinescu, "Properties of Ca-doped  $\text{Sr}_x\text{Ba}_{1-x}\text{Nb}_2\text{O}_6$  thin films growth by Pulsed Laser Deposition", E-MRS 2016 Fall Meeting, 19-22 September, Warsaw, Poland; presentation Y.P1.20 (poster presentation).
23. N. D. Scarisoreanu, R. Birjega, A. Bercea, V. Ion, G. Stanciu, and M. Dinescu, "Optical and electrical properties of Ca-doped  $\text{Sr}_x\text{Ba}_{1-x}\text{Nb}_2\text{O}_6$  thin films by PLD for pyroelectric devices", E-MRS 2016 Spring Meeting, 2-6 May, Lille, France; presentation C.PI.59 (poster presentation).
24. I. Vorona, R. Yavetskiy, A. Doroshenko, S. Parkhomenko, A. Tolmachev, S. Hau, C. Gheorghe, G. Croitoru, L. Gheorghe, "Yb<sup>3+</sup>:YAG transparent ceramics as active media for diode-pumped lasers," 6th International Conference on Excited States of Transitions Elements, ESTE 2016, 21-26 August, 2016, Polanica Zdrój, Poland, presentation P-41 (poster presentation).