



## PRESENTATIONS AT INTERNATIONAL CONFERENCES

- 2014 -

1. G. Salamu, F. Jipa, M. Zamfirescu, and N. Pavel, "Laser Emission from Nd:YAG Laser Waveguides Realized by Femtosecond-Laser Writing Techniques," 2014 Photonics Europe SPIE Conference, 14-17 April 2014, Brussels, Belgium; paper number: 9135-52. (oral presentation).
2. N. Pavel, G. Salamu, and T. Dascalu, "Passively Q-switched, composite Nd:YAG/Cr<sup>4+</sup>:YAG laser pumped laterally through a prism," The 2nd Laser Ignition Conference, 22 - 25 April 2014, Pacifico Yokohama, Yokohama, Japan, presentation LIC5-2 (oral presentation).
3. N. Pavel, G. Salamu, F. Voicu, T. Dascalu, F. Jipa, and M. Zamfirescu, "Waveguides Fabricated in Nd:YAG by Direct fs-Laser Writing - Realization and Laser Emission under Diode-Laser Pumping," The 14<sup>th</sup> International Balkan Workshop on Applied Physics, July 2-4, 2014, Constanta, Romania, presentation S2-L07, Book of Abstracts p. 106 (invited presentation).
4. T. Dascalu, O. Grigore, M. Dinca, N. Pavel, C. Cojocaru, R. Ungureanu, and R. Banici, "Multiple THz Pulses Generated by Optical Filamentation," The 14<sup>th</sup> International Balkan Workshop on Applied Physics, July 2-4, 2014, Constanta, Romania, presentation S2-OP3, Book of Abstracts p. 112 (oral presentation).
5. C. Matei, S. Georgescu, A. M. Voiculescu, A. Stefan, and O. Toma, "Luminescence Properties in Langatate Ceramics Doped with Tm<sup>3+</sup> and Yb<sup>3+</sup>," The 14<sup>th</sup> International Balkan Workshop on Applied Physics, July 2-4, 2014, Constanta, Romania, presentation S2-OP2, Book of Abstracts p. 111 (oral presentation).
6. A. M. Voiculescu, S. Georgescu, C. Matei, A. Stefan, and O. Toma, "Synthesis and Characterization of La<sub>3</sub>Ga<sub>5.5</sub>Ta<sub>0.5</sub>O<sub>14</sub> Doped with Holmium and Ytterbium," The 14<sup>th</sup> International Balkan Workshop on Applied Physics, July 2-4, 2014, Constanta, Romania, presentation S2-P20, Book of Abstracts p. 127 (poster presentation).
7. C. A. Brandus, L. Gheorghe, F. Voicu, and T. Dascalu, "Laser Emission at 1.06  $\mu\text{m}$  in Nd:GdLuCOB and Nd:GdCOB Crystals," The 14<sup>th</sup> International Balkan Workshop on Applied Physics, July 2-4, 2014, Constanta, Romania, presentation S2-OP4, Book of Abstracts p. 113 (oral presentation).
8. C. A. Vasilescu, T. Dascalu, C. Stanciu, R. Barjega, C. Luculescu and N. Pavel, "Preliminary Synthesis for Transparent 1at.% Nd-YAG Ceramics," The 14<sup>th</sup> International Balkan Workshop on Applied Physics, July 2-4, 2014, Constanta, Romania, presentation S2-P08, Book of Abstracts p. 119 (poster presentation).
9. V. Lupei and A. Lupei, "Nd:YAG at its 50<sup>th</sup> anniversary: still to learn," 17th International Conference on Luminescence and Optical Spectroscopy of Condensed Matter (ICL2014), 13-18 July, 2014, Wroclaw, Poland; presentation I 31 (invited lesson).
10. A. Lupei, V. Lupei, C. Gheorghe, S. Hau, and A. Ikesue, "Perturbed centers in visible emission of Ce<sup>3+</sup>:YAG ceramic," 17th International Conference on Luminescence and Optical Spectroscopy of Condensed Matter (ICL2014), 13-18 July, 2014, Wroclaw, Poland; presentation P 25 (poster).
11. D. Avram and C. Tiseanu, "IR, NIR and Vis to NIR and Vis up - conversion emission in Er doped BiOCl," JUNIOR EUROMAT 2014, 20 - 25 iulie 2014, Lausanne, Switzerland, presentation 2/P/161; Poster presentation.
12. N. Pavel, G. Salamu, F. Jipa, M. Zamfirescu, F. Voicu, and T. Dascalu, "Efficient laser emission in diode-pumped Nd:YAG cladding waveguides fabricated by direct writing with a helical movement technique,"



- 6th EPS-QEOD EUROPHOTON CONFERENCE, Solid State, Fibre, and Waveguide Coherent Light Sources, 24-29 August, 2014, Neuchâtel, Switzerland, presentation TuP-T2-P-02 (poster presentation); Europhysics Conference Abstract Vol. 38 E; ISBN 2-914771-89-4.
13. L. Gheorghe, A. Achim, G. Stanciu, F. Voicu, and C. Gheorghe, "Sm<sup>3+</sup>-doped Sr<sub>1-x</sub>La<sub>x</sub>Mg<sub>x</sub>Al<sub>12-x</sub>O<sub>19</sub> (ASL) single crystals for visible yellow-orange lasers," 5th International Student Conference on Photonics, Orastie, Romania, 23-26 September 2014; presentation I.05 (invited presentation).
  14. N. Pavel, M. Dinca, and T. Dascalu, "Passively Q-switched Nd:YAG/Cr<sup>4+</sup>:YAG lasers for automobile-engine ignition," 5th International Student Conference on Photonics, Orastie, Romania, 23-26 September 2014; presentation I.07 (invited presentation).
  15. G. Salamu, F. Jipa, M. Zamfirescu, F. Voicu, and N. Pavel, "Laser emission from diode-pumped Nd:YAG waveguide lasers realized by femtosecond-writing technique," 5th International Student Conference on Photonics, Orastie, Romania, 23-26 September 2014; presentation O.02 (oral presentation). **Note:** [This work was awarded with the "Best Oral Presentation - Second Place" diploma at the conference.](#)
  16. G. Salamu, F. Voicu, A. Achim, L. Gheorghe, N. Pavel, and T. Dascalu, "Efficient laser emission from a disordered Yb:CLNGG crystal," 5th International Student Conference on Photonics, Orastie, Romania, 23-26 September 2014; presentation P.07 (poster presentation). **Note:** [This work has received the "Best Poster Award - Third Place" diploma award at the conference.](#)
  17. F. Voicu, C. Gheorghe, S. Hau, L. Esposito, and J. Hostasa, "Preliminary results on Sm<sup>3+</sup>:YSAG transparent ceramic," 5th International Student Conference on Photonics, Orastie, Romania, 23-26 September 2014; presentation P.09 (poster presentation).
  18. A. Stefan, S. Georgescu, O. Toma, A.M. Voiculescu, and C. Matei, "Synthesis by solid state reaction and luminescence properties of calcium scandate (CaSc<sub>2</sub>O<sub>4</sub>) doped with Ho<sup>3+</sup> and Yb<sup>3+</sup>," 5th International Student Conference on Photonics, Orastie, Romania, 23-26 September 2014; presentation P.24 (poster presentation).
  19. A. Achim, L. Gheorghe, and G. Stanciu, "Growth and preliminary characterization of La(Ca<sub>1-x</sub>Sr<sub>x</sub>)<sub>4</sub>O(BO<sub>3</sub>)<sub>3</sub> single crystals for SHG in NCPM conditions of 1.03 μm laser emission," 5th International Student Conference on Photonics, Orastie, Romania, 23-26 September 2014; presentation O.05 (oral presentation).
  20. T. Dascalu, G. Cojocaru, R. Ungureanu, R. Banici, O. Grigore, and M. Dinca, "High intensity multiple THz sources and its applications," 5th International Student Conference on Photonics, Orastie, Romania, 23-26 September 2014; presentation I.06 (invited presentation).
  21. T. Dascalu, R. Ungureanu, G. Cojocaru, O. Grigore, R. Banici, and M. Dinca, "Multiple High-Intensity THz Generation by Consecutive Two-Color Filaments in Air," in *Frontiers in Optics 2014*, OSA Technical Digest (online) (Optical Society of America, 2014), paper LW11.5 (oral presentation). <http://www.opticsinfobase.org/abstract.cfm?URI=LS-2014-LW11.5>
  22. N. Pavel, G. Salamu, F. Jipa, and M. Zamfirescu, "Efficient Laser Emission under 880-nm Diode-Laser Pumping of Cladding Waveguides Inscribed in Nd:YVO<sub>4</sub> by Femtosecond-Laser Writing Technique," Advanced Solid State Lasers (ASSL) Congress, 16-21 November 2014, Shanghai, China, presentation ATu2A.26 (poster presentation).
  23. L. Gheorghe, C. Gheorghe, A. Achim, F. Voicu and G. Stanciu, "Novel crystals for yellow-orange lasers," TIM 14 Physics Conference - Physics without frontiers, 20-22 November 2014, Timisoara, Romania; presentation CM-IO6 (invited presentation).
  24. A. Achim, L. Gheorghe, G. Stanciu and F. Voicu, "Blue light production by type-I non-critical phase matching second-harmonic generation in La(Ca<sub>1-x</sub>Sr<sub>x</sub>)<sub>4</sub>O(BO<sub>3</sub>)<sub>3</sub>: Crystal growth and nonlinear characterization," TIM 14 Physics Conference - Physics without frontiers, 20-22 November 2014, Timisoara, Romania; presentation CM-O03 (oral presentation).



25. C. Matei, S. Georgescu, C. Vasilescu, G. Stanciu, A.-M. Voiculescu and A. Stefan, "Synthesis and characterization of  $\text{Eu}^{3+}$  doped  $\text{SrY}_2\text{O}_4$  phosphor," TIM 14 Physics Conference - Physics without frontiers, 20-22 November 2014, Timisoara, Romania; presentation CM-P17 (poster presentation).
26. G. Stanciu, A. Achim, N. Scarisoreanu, M. Dinescu and E. Andronescu, "Growth of  $\text{Sr}_x\text{Ba}_{1-x}\text{Nb}_2\text{O}_6$  thin films by RF-PLD for optical and electro-optical devices," TIM 14 Physics Conference - Physics without frontiers, 20-22 November 2014, Timisoara, Romania; presentation CM-P18 (poster presentation).
27. C. Vasilescu, T. Dascalu, G. Stanciu, N. Pavel, E. Vasile and R. Trusca, "Transparent 1.0-at.% Nd:YAG ceramic media," TIM 14 Physics Conference - Physics without frontiers, 20-22 November 2014, Timisoara, Romania; presentation CM-P19 (poster presentation).
28. F. Voicu, C. Gheorghe, S. Hau, L. Esposito, and J. Hostasa, " $\text{Sm}^{3+}$ :YSAG transparent ceramic," 10th Laser Ceramics Symposium (LCS), 1-5 December, 2014, Wroclaw, Poland; presentation P-18T (poster presentation).
29. T. Dascalu, "Tailored High-Intensity Multiple THz Pulses for Pump-Probe Experiments," 2014 Laser and Optoelectronics Conference (LOC 2014), 28-30 November, Beijing, China; presentation 20074 (oral presentation).
30. D. Avram and C. Tiseanu, "Infrared and near-infrared to visible and near-infrared up-conversion emission of Yb-Ln (Ln= Er, Tm) co-doped  $\text{CeO}_2$  nanoparticles for biological applications," The 4th International Colloquium 'Physics of Materials' PM-4, 13-14 November 2014, Bucharest, Romania (oral presentation).