



## PRESENTATIONS AT INTERNATIONAL CONFERENCES

- 2017 -

1. N. Pavel, A. Birtas, G. Croitoru, M. Dinca, N. Boicea, T. Dascalu, "Laser Ignition of a Gasoline Engine Automobile," The 5th Laser Ignition Conference, 20-23 June 2017, Bucharest, Romania; OSA Technical Digest (online) (Optical Society of America, 2017), paper LWA4.3 (oral presentation); ISBN: 978-1-943580-32-3 (<https://doi.org/10.1364/LIC.2017.LWA4.3>).
2. A. Birtas, N. Boicea, G. Croitoru, M. Dinca, T. Dascalu, N. Pavel, "Combustion Characteristics of a Gasoline-Air Mixture Laser Ignition," The 5th Laser Ignition Conference, 20-23 June 2017, Bucharest, Romania; OSA Technical Digest (online) (Optical Society of America, 2017), paper LFA3.4 (oral presentation).; ISBN: 978-1-943580-32-3 (<https://doi.org/10.1364/LIC.2017.LFA3.4>).
3. G. Stanciu, C. Stanciu, C. A. Brandus, F. Voicu, T. Dascalu, "Laser Gain Transparent Ceramics Media," The 5th Laser Ignition Conference, 20-23 June 2017, Bucharest, Romania; OSA Technical Digest (online) (Optical Society of America, 2017), paper LWA4.3 (poster presentation); ISBN: 978-1-943580-32-3 (<https://doi.org/10.1364/LIC.2017.LWA5.5>).
4. G. Croitoru, O. V. Grigore, M. Dinca, N. Pavel, M. Bärwinkel, P. Heinz, D. Brüggemann, "Aspects of Air-Breakdown with a High-Peak Power Passively Q-Switched Nd:YAG/Cr<sup>4+</sup>:YAG Laser," The 5th Laser Ignition Conference, 20-23 June 2017, Bucharest, Romania; OSA Technical Digest (online) (Optical Society of America, 2017), paper LWA5.9 (poster presentation); ISBN: 978-1-943580-32-3 (<https://doi.org/10.1364/LIC.2017.LWA5.9>).
5. I. O. Vorona, R. P. Yavetskiy, A. Doroshenko, S. Parkhomenko, A. Tolmachev, L. Gheorghe, M. Greculeasa, C. Gheorghe, S. Hau, C. A. Brandus, and G. Croitoru, "Nd<sup>3+</sup>:YAG Ceramic Materials with Efficient Laser Emission under Diode-Laser Pumping," The 5th Laser Ignition Conference, 20-23 June 2017, Bucharest, Romania; OSA Technical Digest (online) (Optical Society of America, 2017), paper LWA5.4 (poster presentation); ISBN: 978-1-943580-32-3 (<https://doi.org/10.1364/LIC.2017.LWA5.4>).
6. N. Pavel, A. Birtas, M. Dinca, G. Croitoru, T. Dascalu, and N. Boicea, "Ignition by Laser Sparks of a Gasoline Automobile Engine," IONS Balvanyos 2017, International OSA Network of Student, 25-28 July 2017, Balvanyos, Romania (invited talk).
7. A. Birtas, N. Boicea, F. Draghici, R. Chiriac, G. Croitoru, M. Dinca, T. Dascalu and N. Pavel, "On the assessment of performance and emissions characteristics of a SI engine provided with a laser ignition system," CAR 2017, The 11<sup>th</sup> Edition of The International Congress of Automotive and Transport Engineering, November 8-11 2017, University of Pitesti, Pitesti, Romania; oral presentation CAR 2017\_090.
8. F. Voicu, L. Gheorghe, A. Achim, C. Gheorghe, S. Hau, P. Loiseau, F. Khaled, G. Aka, G. Croitoru, "Optical and laser performances of Yb:LGSB nonlinear optical crystal," ROCAM 2017, 11-14 July 2017, Bucuresti Romania; poster presentation.
9. I. O. Vorona, R.P. Yavetskiy, M.V. Dobrotvorskaya, A.G. Doroshenko, S.V. Parkhomenko, A.V. Tolmachev, L. Gheorghe, C. Gheorghe, S. Hau, "Solid-state sintering and luminescent properties of Yb<sup>3+</sup>, Er<sup>3+</sup>:YAG transparent ceramics," International Conference on Oxide Materials for Electronic Engineering - Fabrication, Properties and Applications, OMEE-2017, May 29 - June 2, 2017, Lviv, Ukraine, Poster Mo-P59.



10. M. Chaika, K. Chernomorets, A. Doroshenko, S. Parkhomenko, A. Tolmachev, I. Vorona, R. Yavetskiy, M. Greculeasa, C.A. Brandus, "Synthesis of  $Mg^{2+}$ ,  $Cr^{4+}$ :YAG optical ceramics for passive Q-switch lasers," International Conference on Oxide Materials for Electronic Engineering - Fabrication, Properties and Applications, OMEE-2017, May 29 - June 2, 2017, Lviv, Ukraine; poster presentation Mo-P18.
11. S. Hau, C. Gheorghe, L. Gheorghe, I. Porosnicu, A. Crisan, "Luminescence properties and energy transfer of  $Sm^{3+}$  and  $Dy^{3+}$  co-doped  $Ca_3(Li,Nb,Ga)_5O_{12}:Ce^{3+}$  novel phosphors under UV excitation," TIM 17 Physics Conference, 25 - 27 May 2017, Timisoara, Romania; poster presentation P02.
12. F. Voicu, L. Gheorghe, M. Greculeasa, A. Achim, C. Gheorghe, S. Hau, "Growth and optical properties of  $Sm^{3+}$  doped  $Ca_3(Nb,Ga)_5O_{12}$  and  $Ca_3(Li,Nb,Ga)_5O_{12}$  single crystals," TIM 17 Physics Conference, 25 - 27 May 2017, Timisoara, Romania; poster presentation CM-P08.
13. M. Greculeasa, L. Gheorghe, F. Khaled, A. Achim, F. Voicu, P. Loiseau, G. Aka, "Czochralski growth of  $La_xGd_ySc_z(BO_3)_4$  ( $x + y + z = 4$ ) nonlinear optical crystal," TIM 17 Physics Conference, 25 - 27 May 2017, Timisoara, Romania; poster presentation CM-P07.
14. L. Gheorghe, F. Voicu, M. Greculeasa, A. Achim, F. Khaled, P. Loiseau, G. Aka, S. Hau, C. Gheorghe, G. Croitoru, "Pure and Yb-doped  $La_xGd_ySc_{4-x-y}(BO_3)_4$  incongruent borates type crystal: Czochralski growth, NLO properties and laser performances," TIM 17 Physics Conference, 25 - 27 May 2017, Timisoara, Romania; invited talk CM-I01.
15. M. Greculeasa, L. Gheorghe, F. Voicu, A. Achim, G. Stanciu, "Growth and SHG in NCMP conditions in  $La(Ca_{1-x}Sc_x)_4O(BO_3)_3$  single crystals," ROCAM 2017, 11-14 July 2017, Bucharest, Romania; poster presentation.
16. L. Gheorghe, F. Voicu, M. Greculeasa, A. Achim, F. Khaled, P. Loiseau, and G. Aka, " $La_xGd_ySc_z(BO_3)_4$  ( $x+y+z= 4$ ) nonlinear optical crystals grown by the Czochralski method," ROCAM 2017, 11-14 July 2017, Bucharest, Romania, oral presentation.