



## 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); Book of Abstracts, ISBN 978-606-16-0903-1, pages 34-36.
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<sup>2+</sup>, Cr<sup>4+</sup>: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  $\text{Sm}^{3+}$  and  $\text{Dy}^{3+}$  co-doped  $\text{Ca}_3(\text{Li,Nb,Ga})_5\text{O}_{12}:\text{Ce}^{3+}$  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  $\text{Sm}^{3+}$  doped  $\text{Ca}_3(\text{Nb,Ga})_5\text{O}_{12}$  and  $\text{Ca}_3(\text{Li,Nb,Ga})_5\text{O}_{12}$  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  $\text{La}_x\text{Gd}_y\text{Sc}_z(\text{BO}_3)_4$  ( $x + y + z = 4$ ) 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  $\text{La}_x\text{Gd}_y\text{Sc}_{4-x-y}(\text{BO}_3)_4$  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  $\text{La}(\text{Ca}_{1-x}\text{Sc}_x)_4\text{O}(\text{BO}_3)_3$  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, " $\text{La}_x\text{Gd}_y\text{Sc}_z(\text{BO}_3)_4$  ( $x+y+z=4$ ) nonlinear optical crystals grown by the Czochralski method," ROCAM 2017, 11-14 July 2017, Bucharest, Romania, oral presentation.