



PRESENTATIONS AT INTERNATIONAL CONFERENCES

- 2019 -

1. P. Ribes-Pleguezuelo, E. Beckert, C. Damm, A. Bodemann, R. Eberhardt, A. Tünnermann, N. Pavel, O. V. Grigore, G. Croitoru, C. A. Brandus, and N. T. Vasile, "The "Golden" Laser Spark Plug Assembly Process," The 7th Laser Ignition Conference, 22-26 April 2019, Pacifico Yokohama, Yokohama, Japan, presentation LIC7-2 (oral presentation).
2. L. Gheorghe, M. Greculeasa, A. Broasca, F. Voicu, G. Stanciu, S. Hau, C. Gheorghe, G. Croitoru, and N. Pavel, "Pure, Yb- and Nd-doped $\text{La}_x\text{Gd}_y\text{Sc}_{4-x-y}(\text{BO}_3)_4$ Czochralski-grown nonlinear optical and laser crystals," TIM 19 Physics Conference, 29 - 31 May 2019, Timisoara, Romania, presentation CM-I02 (invited presentation).
3. A. Broasca, L. Gheorghe, M. Greculeasa, F. Voicu, and G. Stanciu, "Czochralski growth and optical properties of nonlinear $\text{La}_x\text{Y}_y\text{Sc}_{4-x-y}(\text{BO}_3)_4$ - LYSB single crystal," TIM 19 Physics Conference, 29 - 31 May 2019, Timisoara, Romania, presentation CM-P03 (poster presentation).
4. F. M. Voicu, L. Gheorghe, M. Greculeasa, A. Broasca, C. Gheorghe, S. Hau, and G. Croitoru, "Nd³⁺ doped $\text{La}_x\text{Gd}_y\text{Sc}_{4-x-y}(\text{BO}_3)_4$ as bifunctional laser and nonlinear crystal," TIM 19 Physics Conference, 29 - 31 May 2019, Timisoara, Romania, presentation CM-P06 (poster presentation).
5. G. Stanciu, L. Gheorghe, F. Voicu, C. A. Brandus, C. Tihon, G. Croitoru, and N. Pavel, "Fabrication and laser performance of highly transparent Nd:YAG ceramics," TIM 19 Physics Conference, 29 - 31 May 2019, Timisoara, Romania, presentation CM-P08 (poster presentation).
6. S. Hau, C. Gheorghe, L. Gheorghe, F. Voicu, M. Greculeasa, G. Stanciu, and M. Enculescu, "Luminescence properties of Pr^{3+} doped $\text{Ca}_3(\text{Li,Nb,Ga})_5\text{O}_{12}$ single crystal," TIM 19 Physics Conference, 29 - 31 May 2019, Timisoara, Romania, presentation CM-P09 (poster presentation).
7. C. Tihon, G. Stanciu, G. Ruiu, and A. M. Voiculescu, "Spectroscopic characterization of LaGaO_3 doped with Er^{3+} synthesized by solid state reaction," TIM 19 Physics Conference, 29 - 31 May 2019, Timisoara, Romania, presentation CM-P10 (poster presentation).
8. M. Greculeasa, L. Gheorghe, A. Broasca, F. Voicu, C. Gheorghe, S. Hau, and G. Stanciu, "Czochralski growth and characterization of Yb-doped LYSB single crystals," TIM 19 Physics Conference, 29 - 31 May 2019, Timisoara, Romania, presentation CM-P11 (poster presentation).
9. C. Gheorghe, S. Hau, L. Gheorghe and G. Stanciu, "Cooperative energy transfer in $\text{Ca}_3(\text{Nb,Ga})_5\text{O}_{12}$ ceramics doped with ytterbium and terbium," TIM 19 Physics Conference, 29 - 31 May 2019, Timisoara, Romania, presentation CM-P12 (poster presentation).
10. M. Porębski, M. Kowalczyk, L. Gheorghe, M. Greculeasa, A. Broasca, F. Voicu, and J. Sotor, "Passively mode-locked self-frequency doubling Yb:LGBS laser," CLEO Europe - EQEC 2019 Conference, 23-27 June 2019, München, Germany, presentation CA-P.23 (poster presentation).
11. C. A. Brandus, C. Gheorghe, S. Hau, A. Broasca, M. Greculeasa, F. Voicu, L. Gheorghe, and N. Pavel, "Highly efficient laser emission from a Novel Nd:LGSB crystal," CLEO Europe - EQEC 2019 Conference, 23-27 June 2019, München, Germany, presentation CA-P.44 (poster presentation).
12. N. Pavel, R. Chiriac, A. Birtas, N. Boicea, F. Draghici, G. Croitoru, and M. Dinca, "Lean-mixture operation of a passenger car gasoline engine ignited by passively Q-switched Nd:YAG/Cr⁴⁺:YAG laser spark plugs," CLEO Europe - EQEC 2019 Conference, 23-27 June 2019, München, Germany, presentation CM-P.13 (poster presentation).



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13. S. Hau, C. Gheorghe, L. Gheorghe, F. Voicu, M. Greculeasa, G. Stanciu, A. Broasca, M. Enculescu, "Optical properties of Pr³⁺ ions doped garnet crystals," Excited States of Transitions Elements Conference - ESTE 2019, 08-13 September 2019, Kudowa Zdrój, Poland (poster presentation).
14. L. Gheorghe, M. Greculeasa, A. Broasca, F. Voicu, G. Stanciu, S. Hau, C. Gheorghe, "Yb³⁺- doped La_xY_ySc_{4-x-y}(BO₃)₄ as bifunctional laser and nonlinear optical crystal," Excited States of Transitions Elements Conference - ESTE 2019, 08-13 September 2019, Kudowa Zdrój, Poland, presentation O-10 (oral presentation).
15. A. Broasca, L. Gheorghe, M. Greculeasa, F. Voicu, G. Stanciu, S. Hau, C. Gheorghe, G. Croitoru, N. Pavel, "Czochralski growth and characterization of pure and Yb-doped La_xY_ySc_{4-x-y}(BO₃)₄ nonlinear and laser crystal," OSA Laser Congress, Advanced Solid State Lasers Conference - ASSL 2019, 29 September 2019 - 03 October 2019, Vienna, Austria, presentation JM5A.40 (poster presentation).
16. L. Gheorghe, M. Greculeasa, A. Broasca, F. Voicu, G. Stanciu, S. Hau, C. Gheorghe, C. Brandus, G. Croitoru, N. Pavel, "Undoped, Yb- and Nd-doped LGSB Czochralski-grown nonlinear and laser crystals," Advanced Solid State Lasers Conference - ASSL 2019, 29 September 2019 - 03 October 2019, Vienna, Austria, presentation AM3A.2 (oral presentation).
17. C. A. Brandus, A. Broasca, M. Greculeasa, L. Gheorghe, and T. Dascalu, "Ultrashort ps-order Pulse Generation from a SESAM Mode-Locked Czochralski-Grown Nd:LGSB Laser Crystal," OSA Laser Congress, Advanced Solid State Lasers Conference - ASSL 2019, 29 September 2019 - 03 October 2019, Vienna, Austria, presentation JTU3A.45 (poster presentation).