



PRESENTATIONS AT INTERNATIONAL CONFERENCES

- 2025 -

1. A. Broasca, M. Greculeasa, F. Voicu, S. Hau, C. Gheorghe, G. Croitoru, N. Pavel, L. Gheorghe, "Nd-doped LGYSB: A New Bifunctional Crystal for Efficient Laser Emission and Frequency Conversion," Advanced Solid State Lasers Conference (ASSL), 19 - 23 October 2025, Prague, Czech Republic; oral presentation AW4A.2.
2. M. Greculeasa, A. Broasca, F. Voicu, S. Hau, C. Gheorghe, G. Croitoru, N. Pavel, L. Gheorghe, "Advanced Czochralski Growth Strategies for Yb-Doped LYSB Crystals Enabling High-Performance NIR Laser Emission," Advanced Solid State Lasers Conference (ASSL), 19 - 23 October 2025, Prague, Czech Republic; poster presentation JTU2A.21.
3. L. Gheorghe, M. Greculeasa, A. Broasca, F. Voicu, C. Gheorghe, C. Susala, G. Croitoru, N. Pavel, "Undoped, Yb- and Nd-Doped LGSB Czochralski-Grown Nonlinear and Laser Crystals," Advanced Solid State Lasers Conference (ASSL), 19 - 23 October 2025, Prague, Czech Republic; poster presentation JTU2A.22.
4. C. Gheorghe, S. Hau, A. Broasca, M. Greculeasa, F. Voicu, M. Enculescu, L. Gheorghe, " $\text{Ca}_3(\text{Ta,Ga})_5\text{O}_{12}:\text{Pr}^{3+}$ single Crystal: A Promising New Laser Material in the Visible Domain," Advanced Solid State Lasers Conference (ASSL), 19 - 23 October 2025, Prague, Czech Republic; poster presentation JTU2A.24.
5. S. Hau, H. Boubekri, M. Diaf, R. Fartas, A. Broasca, C. Gheorghe, "Excellent Sensing Capabilities of the Multimodal Optical Temperature Sensor Based on Er^{3+} Ion Emission in the $\text{CdF}_2:\text{Er,Y}$ crystal," Advanced Solid State Lasers Conference (ASSL), 19 - 23 October 2025, Prague, Czech Republic; poster presentation JTU2A.26.
6. G. Salamu, M. Greculeasa, A. Broasca, F. Voicu, S. Hau, C. Gheorghe, N. Pavel, L. Gheorghe, "Near-Infrared Efficient Laser Emission from a Diode- Pumped 6.2-at.% Yb:LGSB Crystal Grown by the Czochralski Method," Advanced Solid State Lasers Conference (ASSL), 19 - 23 October 2025, Prague, Czech Republic; poster presentation JTU2A.40.
7. G. Salamu, M. Greculeasa, A. Broasca, F. Jipa, N. Pavel, "Y-Branch Splitters Inscribed in Nd:YAG Ceramics with High-Repetition Rate Picosecond-Laser Pulses," Advanced Solid State Lasers Conference (ASSL), 19 - 23 October 2025, Prague, Czech Republic; poster presentation JTU2A.42.
8. C. A. Susala, "Highly-Efficient Nd:LGSB Infrared Laser Pumped Directly into the Emitting Level," 6th International Conference on Optics, Photonics and Lasers, November 03-05, 2025, Boston, USA; invited presentation (virtual).