



**PRESENTATIONS AT INTERNATIONAL CONFERENCES
- 2008 -**

1. V. Lupei, A. Lupei, C. Gheorghe, A. Ikesue, "High-resolution spectroscopic characterization of Nd-doped GSGG crystals and transparent ceramics," Advanced Solid-State Photonics Conference, January 27-30, 2008, Nara, Japan, presentation WE7.
2. Y. Oishi, T. Dascalu, K. Midorikawa, T. Taira, "Thermal-birefringence-induced local depolarization in thin YAG ceramics," Advanced Solid-State Photonics Conference, January 27-30, 2008, Nara, Japan, presentation MC15.
3. N. Pavel, C. Kränkel, R. Peters, K. Petermann, G. Huber, "In-band pumped, high-power intracavity frequency doubled Nd-vanadate thin-disk lasers at 530 nm," Advanced Solid-State Photonics Conference, January 27-30, 2008, Nara, Japan, presentation MC41.
4. N. Pavel, C. Kränkel, R. Peters, K. Petermann, G. Huber, "High-Power Emission of Nd-Vanadate Thin-Disk Lasers In-Band Pumped at 0.88 μm Directly into the Emitting Level," CLEO/QELS 2008 Conference, May 4-9, 2008, San Jose, California, USA, presentation JTua1.
5. C. Tiseanu, A. Gessner and M. U. Kumke, "Time-resolved photoluminescence properties of terbium-exchanged microporous-mesoporous materials," 15th International Conference on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'08), Lyon, France, 7-11 July, 2008.
6. C. Tiseanu, V.A.Lorenz-Fonfria, and C. Cotoi, "Species-related luminescence-structure relationships in Eu^{3+} -exchanged microporous-mesoporous material," 2nd International Conference on Advanced Nano Materials (ANM 2008), Aveiro, Portugal 22-25 June, 2008.
7. C. Tiseanu, V.I. Parvulescu, C. Paun, S. Dobre, A. Gessner, M. U. Kumke, and C. Cotoi "Luminescence properties of Eu^{3+} , Tb^{3+} and Nd^{3+} doped ionic liquids immobilized on mesoporous silica supports," 2nd International Conf. on Advanced Nano Materials (ANM 2008), Aveiro, Portugal 22-25 June, 2008.
8. S. Georgescu, E. Cotoi, A. M. Voiculescu, O. Toma, M. N. Grecu, E. Borca, S. Hodoroagea, "Optical spectroscopy and EPR investigation of the thermal treatment effects on YVO_4 nanocrystals", The 2nd INDLAS International Conference Modern Laser Applications, May 20-23, 2008, Bran, Romania.
9. O. Toma, S. Georgescu, A.M. Voiculescu, E. Cotoi, "A study of the upconversion-pumped laser emission on transition $^4\text{S}_{3/2} \rightarrow ^4\text{I}_{13/2}$," The 2nd INDLAS International Conference Modern Laser Applications, May 20-23, 2008, Bran, Romania.
10. L. Gheorghe, A. Achim, V. Lupei, A. Lupei, C. Gheorghe, E. Cotoi, "Growth and spectroscopic characterization of Yb^{3+} doped calcium lithium niobium gallium garnet (Yb:CLNGG) crystals for diode laser pumping," The 2nd INDLAS International Conference Modern Laser Applications, May 20-23, 2008, Bran, Romania.
11. A.M. Voiculescu, S. Georgescu, O. Toma, E. Cotoi, E. Borca, M. Bercu, "Structural and spectroscopical characterization of RE^{3+} (RE= Er, Eu, Tb) doped nanocrystalline YAG/ YVO_4 produced by sol-gel method/precipitation method," The 3rd International Student Chapters Meeting, 07 - 09 May 2008, Wroclaw, Poland.
12. V. Lupei, A. Lupei, C. Gheorghe, N. Pavel, A Ikesue, "New spectroscopic and laser emission properties of Nd:GSGG crystals and ceramics," 3rd EPS-QEOD EUROPHOTON Conference, August 31 - Sept. 5, 2008, Paris, France, presentation TUp.27.



13. V. Lupei, A. Lupei, C. Gheorghe, A. Ikesue, "Spectroscopic particularities of the garnet crystals and transparent ceramics and their implication on the laser emission," 3rd EPS-QEOD EUROPHOTON Conference, August 31 - September 5, 2008, Paris, France, presentation WEp.26.
14. N. Pavel and V. Lupei, "Direct pumping of Nd-based solid-state lasers," 9th International Balkan Workshop on Applied Physics (IBWAP), July 7-9, 2008, Constanta, Romania, presentation S5-L05, invited lecture; Book of Abstracts, ISBN 978-973-614-415-8, pp. 162-163.
15. N. Pavel, "Simultaneous dual-wavelength emission at 0.9 and 1.06 μm in Nd-based laser crystals," 9th International Balkan Workshop on Applied Physics (IBWAP), July 7-9, 2008, Constanta, Romania, presentation S5-P70; Book of Abstracts, ISBN 978-973-614-415-8, page 198.
16. V. Lupei, A. Lupei, C. Gheorghe, N. Pavel, A. Ikesue, "New high-resolution spectroscopic and diode-pumped laser emission properties of Nd:GSGG," The 2nd INDLAS International Conference Modern Laser Applications, May 20-23, 2008, Bran, Romania.
17. I. Mateescu, C. Oproiu, S. Georgescu, G. Ghita, "Influence of electron irradiation on the electrical parameters of LGS and LGT resonators," 22nd European Frequency and Time Forum Toulouse, France, April 23-25, 2008.
18. I. Mateescu, S. Georgescu, R. Georgescu, G. Ghita, "Influence of ionizing radiations (electrons and gamma) on the electrical characteristics of LGS resonators," 9th European Conference on Applications of Polar Dielectrics, Roma, Italy, August 26-29, 2008.
19. S. Georgescu, A. M. Voiculescu, O. Toma, E. Cotoi, E. Borca, M. Bercu, "Effects of particle size on the luminescence of Eu:YVO₄ nanocrystals," Sixth International Conference on Inorganic Materials, Dresden, Germany, 28-30 September, 2008.
20. V. Lupei, "Spectroscopic characterization of transparent polycrystalline laser ceramics," 4th Laser Ceramic Symposium, International Symposium on Transparent Ceramics for Lasers (2008 LCS), November 10-14, 2008, Shanghai, China (invited lecture).
21. V. Lupei, A. Lupei, C. Gheorghe, A. Ikesue, E. Osiac, "Energy transfer driven infrared emission processes in rare earth doped Sc₂O₃ ceramics," Internat Conf. on Luminescence ICL'08, Lyon, France, June 2008, paper TuA2-03.
22. A. Lupei, V. Lupei, C. Gheorghe, L. Gheorghe, A. Achim, "Nonequivalent Nd³⁺ centers in SrWO₄," Internat Conf. on Luminescence ICL'08, Lyon, France, 7-11 July 2008, paper WE-P-028.
23. A. Lupei, A. Achim, V. Lupei, C. Gheorghe, L. Gheorghe, "RE³⁺ doped SrWO₄ as laser and nonlinear active crystals," The 2nd INDLAS International Conference Modern Laser Applications, May 20-23, 2008, Bran, Romania.
24. V. Lupei, "New directions for power scaling of Nd lasers," Photonics Europe, April, 2008, Strasbourg, France, paper 6998-34.
25. V. Lupei, A. Lupei, C. Gheorghe, A. Ikesue, "High-resolution spectroscopy of Nd-doped GSGG crystals and transparent ceramics," Photonics Europe 2008, April, 2008, Strasbourg, France, paper 6998-58.
26. A. Lupei, V. Lupei, C. Gheorghe, A. Achim, L. Gheorghe, "High resolution spectroscopy of SrWO₄:Nd³⁺ laser crystals," Photonics Europe 2008, April, 2008, Strasbourg, France, paper 6998-56.