



PRESENTATIONS AT INTERNATIONAL CONFERENCES

- 2011 -

1. N. Pavel, M. Tsunekane, and T. Taira, "Passively Q-switched Nd:YAG/Cr⁴⁺:YAG All-Ceramics, Composite, Monolithic Micro-Lasers with Multi-Beam Output for Laser Ignition," CLEO Europe - EQEC 2011 Conference, 22-26 May 2011, München, Germany, presentation CA7.1.
2. N. Pavel, M. Tsunekane, K. Kanehara, and T. Taira, "Composite All-Ceramics, Passively Q-switched Nd:YAG/Cr⁴⁺:YAG Monolithic Micro-Laser with Two-Beam Output for Multi-Point Ignition," CLEO 2011, Laser Science to Photonics Applications Conference, Baltimore, Maryland, USA, 1-6 May 2011, presentation CMP1.
3. G. Salamu, O. Sandu, M. Dejanu, F. Voicu, C. Ticos, D. Popa, S. Parlac, N. Pavel, and T. Dascalu, "Study of laser ignition and flame kernel development in methane-air mixture," International Student Workshop on Laser Applications ISWLA 2011, 31 May 31 - 04 June, 2011, Bran, Romania.
4. A. M. Voiculescu, S. Georgescu, C. Matei, O. Toma, S. Nastase, R. Birjega, "Upconversion luminescence of langanite powders doped with erbium and ytterbium", International Student Workshop on Laser Applications ISWLA 2011, 31 May 31 - 04 June, 2011, Bran, Romania.
5. C. Matei, S. Georgescu, A. M. Voiculescu, O. Toma, S. Nastase, "Luminescence properties of Eu-doped La₃(Ga_{1-x}Al_x)_{5.5}Nb_{0.5}O₁₄ nano-powders synthesized by a citrate sol-gel method", International Student Workshop on Laser Applications ISWLA 2011, 31 May 31 - 04 June, 2011, Bran, Romania.
6. T. Dascalu, "THz wave photonics and applications to biology and chemistry," International Student Workshop on Laser Applications ISWLA 2011, 31 May 31 - 04 June, 2011, Bran, Romania (invited lecture).
7. D. Chuchumishev, I. Buchvarov, A. Gaydardzhiev, A. Trifonov, O. Sandu, G. Salamu, "Sub-nanosecond, tunable between 3 μm and 3.5 μm OPO based on PPSLT, pumped by 0.5 kHz Nd:YAG laser," International Student Workshop on Laser Applications ISWLA 2011, 31 May 31 - 04 June, 2011, Bran, Romania.
8. O. Toma, L. Gheorghe, and A.M. Vlaicu, "Synthesis and characterization of erbium lithium niobium gallium garnet," Advanced in Applied Physics and Materials Science Congress, 12-15 May 2011, Antalya, Turkey.
9. O. Toma and S. Georgescu, "Modeling of two-wavelength emission in an erbium upconversion laser," Advanced in Applied Physics and Materials Science Congress, 12-15 May 2011, Antalya, Turkey.
10. L. Gheorghe, A. Achim, F. M. Voicu, L. Chircus, "La_xGd_ySc_z(BO₃)₄ (x+y+z= 4)-LGSB: A new promising nonlinear optical (NLO) crystal," 12th International Balkan Workshop on Applied Physics (IBWAP), July 6-8, 2011, Constanta, Romania, presentation S1-OP03; Book of Abstracts, ISBN 978-973-614-645-9, page 49.
11. O. Toma, L. Gheorghe, R. Birjega, "Solubility limits of Erbium in partially disordered crystals langanite and langatate," 12th International Balkan Workshop on Applied Physics (IBWAP), July 6-8, 2011, Constanta, Romania, presentation S1-P38; Book of Abstracts, ISBN 978-973-614-645-9, page 67.
12. A.M. Voiculescu, S. Georgescu, R. Birjega, O. Toma, C. Matei, L. Petrescu, I. Enculescu, E. Matei, "Infrared-excited bright green and red luminescence in La₃Ga_{5.5}Ta_{0.5}O₁₄ doped with Erbium and Ytterbium," 12th International Balkan Workshop on Applied Physics (IBWAP), July 6-8, 2011, Constanta, Romania, presentation S1-P39; Book of Abstracts, ISBN 978-973-614-645-9, pages 67-68.



13. A. Achim, V. Lupei, A. Lupei, C. Gheorghe, L. Gheorghe, F. M. Voicu, "Growth and spectroscopy of Nd³⁺ and Yb³⁺ in disordered garnet crystals," 12th International Balkan Workshop on Applied Physics (IBWAP), July 6-8, 2011, Constanta, Romania, presentation S1-P40; Book of Abstracts, ISBN 978-973-614-645-9, page 69.
14. A. Achim, L. Gheorghe, F. M. Voicu, L. Chircus, "Second harmonic generation of blue-violet light in new non-linear optical crystals of Y_{1-x}R_xCa₄O(BO₃)₃ (R = Lu, Sc) through noncritical phase matching," 12th International Balkan Workshop on Applied Physics (IBWAP), July 6-8, 2011, Constanta, Romania, presentation S1-P41; Book of Abstracts, ISBN 978-973-614-645-9, page 69.
15. C. Gheorghe, A. Lupei, L. Gheorghe, A. Achim, F. Voicu, "Preliminary spectroscopic investigations of Sm³⁺ doped ASL single crystal," 12th International Balkan Workshop on Applied Physics (IBWAP), July 6-8, 2011, Constanta, Romania, presentation S1-P42; Book of Abstracts, ISBN 978-973-614-645-9, pages 69-70.
16. C. Gheorghe, A. Lupei, V. Lupei, A. Ikesue, "Dy³⁺ doped Y₃Al₅O₁₂ transparent ceramics, a system for visible emission," 12th International Balkan Workshop on Applied Physics (IBWAP), July 6-8, 2011, Constanta, Romania, presentation S1-P43; Book of Abstracts, ISBN 978-973-614-645-9, page 70.
17. C. Tiseanu, V. Parvulescu, M. Boutonnet, B. Cojocaru, P. Primus, C. Teodorescu, C. Solans, M. Sanchez-Dominguez, "Surface versus volume effects in luminescent nano-ceria," European Congress and Exhibition on Advanced Materials and Processes, EUROMAT 2011, 11-15 September 2011, Montpellier, France, presentation C31-P-1-57.
18. O. Sandu, O. Cinteza, A. Emadi, M. Mernea, D. Mihalache, and T. Dascalu, "THz time domain spectroscopy at cellulose crystallinity degree in old woods artifacts," 7th International Conference on Photonics, Devices and Systems, 24 - 26 August 2011, Praga, Czech Republik.
19. G. Salamu, O. Sandu, N. Pavel, T. Dascalu, D. Chuchumishev, A. Gaydardzhiev, and I Buchvarov, "Passively Q-switched, Composite, All-Poly-Crystalline Ceramics Nd:YAG/Cr⁴⁺:YAG Laser," 19th International Conference on Advanced Laser Technologies, 03 - 08 September 2011, Golden Sands, Bulgaria; in Book of Abstract, presentation O-6-LN, page 92.
20. L. Gheorghe, A. Achim, and F. Voicu, "A new promising nonlinear optical (NLO) crystal for visible and ultraviolet (UV) regions," Physics Conference TIM-11, 24-27 November 2011, Timisoara, Romania; Abstract Book, ISBN 978-973-125-354-1, presentation CMP-102 (pg. 43).
21. C. Gheorghe, A. Lupei, and F. Voicu, "Sm³⁺-doped Sc₂O₃ polycrystalline ceramics: Spectroscopic investigation," Physics Conference TIM-11, 24-27 November 2011, Timisoara, Romania; Abstract Book, ISBN 978-973-125-354-1, presentation CMP-P12 (pg. 61).
22. J.R. Molina Contreras, A. Ionescu, and T. Dascalu, "THz-time domain spectroscopy of (001) ZnSe," Physics Conference TIM-11, 24-27 November 2011, Timisoara, Romania; Abstract Book, ISBN 978-973-125-354-1, presentation CMP-P15 (pg. 64).
23. F. Voicu, C. Gheorghe, and C. Florica, "Preliminary study in preparation of N³⁺:YAG and Sm³⁺:Y₂O₃ transparent ceramics," Physics Conference TIM-11, 24-27 November 2011, Timisoara, Romania; Abstract Book, ISBN 978-973-125-354-1, presentation CMP-P38 (pg. 84).
24. G. Salamu, O. Sandu, M. Dejanu, F. Voicu, C. Ticos, D. Popa, S. Parlac, N. Pavel, and T. Dascalu, "Investigation of laser ignition for methane-air mixture and development of a microlaser system," Physics Conference TIM-11, 24-27 November 2011, Timisoara, Romania; Abstract Book, ISBN 978-973-125-354-1, presentation API-O06 (pg. 125).
25. A. Achim, L. Gheorghe, and F. Voicu, "Efficient second harmonic generation of blue-violet light in noncritical type-I phase matching," Physics Conference TIM-11, 24-27 November 2011, Timisoara, Romania; Abstract Book, ISBN 978-973-125-354-1, presentation API-P01 (pg. 129).



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26. C.E. Matei, S. Georgescu, A.M. Voiculescu, O. Toma, and S. Nastase, "Luminescence properties of Eu-doped $\text{La}_2(\text{Ga}_{1-x}\text{Al}_x)\text{Nd}_{0.5}\text{O}_{14}$ nano-powders synthesized by a citrate sol-gel method," Physics Conference TIM-11, 24-27 November 2011, Timisoara, Romania; Abstract Book, ISBN 978-973-125-354-1, presentation API-P12 (pg. 138).
27. A.M. Voiculescu, S. Georgescu, O. Toma, C. Matei, R. Birjega, and L. Petrescu, "Luminescence properties of $\text{La}_3\text{G}_{5.5}\text{Ta}_{0.5}\text{O}_{14}$ doped with erbium and ytterbium," Physics Conference TIM-11, 24-27 November 2011, Timisoara, Romania; Abstract Book, ISBN 978-973-125-354-1, presentation API-P26 (pg. 149).