



**PRESENTATIONS AT INTERNATIONAL CONFERENCES
- 2004 -**

1. V. Lupei, A. Lupei, A. Ikesue, "Efficient energy transfer sensitization of Yb^{3+} emission by Nd^{3+} in ceramic sesquioxide laser materials," Conference on Lasers and Electro-Optics (CLEO) San Francisco, CA, USA, 16-21 May 2004; paper CThT55.
2. G. Aka, D. Vivien, V. Lupei, "Highly efficient site-selective laser emission in the 900 nm range in Nd:Srntium Lanthanum Aluminate," Conference on Lasers and Electro-Optics (CLEO) San Francisco, CA, USA, 16-21 May 2004; paper CThT50.
3. N. Pavel, I. Shoji, T. Taira, "Continuous-wave high-power Nd:YAG-KNbO₃ blue laser at room temperature," Conference on Lasers and Electro-Optics (CLEO) San Francisco, CA, USA, 16-21 May 2004; paper CThT65.
4. N. Pavel, I. Shoji, T. Taira, K. Mizuuchi, A. Morikawa, T. Sugita, K. Yamamoto, "1-W green generation by frequency-doubling of a diode end-pumped Nd:GdVO₄ laser in a bulk periodically poled MgO:LiNbO₃ at room temperature," Conference on Lasers and Electro-Optics (CLEO) San Francisco, CA, USA, 16-21 May 2004; paper CFE4.
5. Y. Sato, N. Pavel, T. Taira, "Comparative study of Nd:GdVO₄ and Nd:YVO₄ laser oscillation under 808-nm and 879-nm pumping," Conference on Lasers and Electro-Optics (CLEO) San Francisco, CA, USA, 16-21 May 2004; paper CThJJ7.
6. A. Lupei, V. Lupei, C. Gheorghe, L. Gheorghe, D. Vivien, G. Aka, "Spectroscopic investigation of Nd^{3+} in ASL," 15 th International Conference on Defects in Insulating Materials ICDIM-2004, Riga, Latvia, 2004; paper Mo-Po-FPSR14.
7. E. Reino, P. Loiseau, G. Aka, D. Vivien, L. Gheorghe, V. Lupei, A. Lupei, B. Ferrand, "Crystal growth and 900 nm laser properties of neodymium doped ASL ($\text{Sr}_{1-x}\text{Nd}_y\text{La}_{x-y}\text{Mg}_x\text{Al}_{12-x}\text{O}_{19}$)," 15 th International Conference on Defects in Insulating Materials ICDIM-2004, Riga, Latvia, 2004.
8. S. Georgescu, O. Toma, "Energy transfer processes in Er-doped crystals," 15 th International Conference on Defects in Insulating Materials ICDIM-2004, Riga, Latvia, 2004.
9. Y. Sato, N. Pavel, T. Taira, "Near quantum limit laser oscillation and spectroscopic properties of Nd:GdVO₄ single crystal," Advanced Solid-State Photonics Conference, Santa Fe, New Mexico, USA February 2004; paper WB5.
10. T. Dascalu, N. Pavel, M. Tsunekane, T. Taira, "Continuous-wave 90-W output power diode edge-pumped microchip composite Yb:YAG laser," Advanced Solid-State Photonics Conference, Santa Fe, New Mexico, USA, February 2004; paper WA2.
11. N. Pavel, I. Shoji, T. Taira, K. Mizuuchi, A. Morikawa, T. Sugita, K. Yamamoto, "High-power green generation at room temperature in a periodically poled MgO:LiNbO₃ by frequency doubling of a diode end-pumped Nd:GdVO₄ laser," Advanced Solid-State Photonics Conference, Santa Fe, New Mexico, USA, February 2004; paper WD3.
12. K. Kasazumi, A. Morikawa, T. Sugita, K. Mizuuchi, K. Yamamoto, N. Pavel, T. Taira, "A laser light source generating ultra-violet and green light for holographic memory system," International Symposium on Optical Memory (ISOM '04), 11-15 October, Jeju Island, Korea; paper Th-I-05.
13. N. Pavel, T. Taira, K. Mizuuchi, A. Morikawa, T. Sugita, K. Yamamoto, "Continuous-wave ultraviolet generation at 354 nm in a periodically poled MgO:LiNbO₃," Nonlinear Optics: Materials, Fundamentals and Applications Conference, 2-6 August 2004, Hawaii, USA; paper TuA2.
14. N. Pavel, T. Taira, Y. Tamaoki, H. Kan, "Continuous-wave high-power intracavity frequency-doubled Nd:GdVO₄-LBO green laser," Nonlinear Optics: Materials, Fundamentals and Applications Conference, 2-6 August 2004, Hawaii, USA; paper WD6.