



**PRESENTATIONS AT INTERNATIONAL CONFERENCES
- 2003 -**

1. N. Pavel, I. Shoji, T. Taira, M. Iwai, T. Yoshino, M. Imaeda, "High-power blue generation in a periodically poled MgO:LiNbO₃ ridge-type waveguide by frequency doubling of a diode end-pumped Nd:YAG laser," Advanced Solid-State Photonics Conf., San Antonio, Texas, USA, February 2003, pp. 350-353.
2. T. Dascalu, N. Pavel, T. Taira, "Diode radially-pumped microchip Yb:YAG laser: High power operation," Advanced Solid-State Photonics Conference, San Antonio, Texas, USA, February 2003, pp. 213-216.
3. Y. Sato, T. Taira, N. Pavel, V. Lupei, "Near quantum-defect slope efficiency laser operation in Nd:YVO₄ under direct pumping into the emitting level," Advanced Solid-State Photonics Conference, San Antonio, Texas, USA, Feb. 2003, pp. 62-64.
4. N. Pavel, V. Lupei, T. Taira, "The effect of Nd Concentration on CW 1064 and 946 nm emission of diode-pumped Nd:YAG lasers," CLEO/QELS Europe Conference, Munich, Germany, June 2003; paper CA9T.
5. T. Dascalu, T. Taira, N. Pavel, "Thermo-optical effects in high-power diode edge-pumped microchip composite Yb:YAG laser," CLEO/QELS Europe Conference, Munich, Germany, June 2003; paper CA83.
6. N. Pavel, I. Shoji, T. Taira, M. Iwai, T. Yoshino, M. Imaeda, "Harmonic blue light generation from a diode end-pumped Nd:YAG laser by a periodically poled MgO:LiNbO₃ ridge-type waveguide," CLEO/QELS Europe Conference, Munich, Germany, June 2003; paper CA8T.
7. V. Lupei, N. Pavel, T. Taira, "The effect of Nd concentration on fundamental and frequency-doubled CW laser emission of diode-pumped Nd:YAG lasers," CLEO/QELS Conference, Baltimore, USA, June 2003; paper CThM44.
8. Y. Sato, N. Pavel, T. Taira, V. Lupei, "The laser oscillation with near quantum defect limit slope efficiency under direct pumping in Nd:YVO₄," CLEO/QELS Conference, Baltimore, USA, June 2003; paper CWG4.
9. T. Dascalu, T. Taira, N. Pavel, I. Shoji, "Diode edge-pumped microchip composite Yb:YAG laser: thermal effects and laser performances," CLEO/QELS Conference, Baltimore, USA, June 2003; paper CWG2.
10. N. Pavel, I. Shoji, T. Taira, M. Iwai, T. Yoshino, M. Imaeda, "High-power blue emission by frequency doubling of a diode end-pumped Nd:YAG laser through a periodically poled MgO:LiNbO₃ ridge-type waveguide," CLEO/QELS Conference, Baltimore, USA, June 2003; paper CWO4.
11. V. Lupei, A. Lupei, A. Ikesue, "Single crystal and transparent ceramic Nd-doped oxide laser materials: a comparative spectroscopic investigation," 4th International Conference on Spectroscopy, Structure and Synthesis of Rare Earth Systems, Ladek Zdroj-Wroclaw, Poland, 2003; (invited lecture).
12. E. Antic-Fidancev, A. Lupei, A. Caramanian, et al., "Spectroscopic study of europium doped RCOB host lattices: evidence of local perturbations," 4th International Conference on Spectroscopy, Structure and Synthesis of Rare Earth Systems, Ladek Zdroj-Wroclaw, Poland, 2003; paper O1.
13. A. Lupei, E. Antic-Fidancev, G. Aka, "Spectral and structural studies of GdCOB and YCOB crystals," 4th International Conference on Spectroscopy, Structure and Synthesis of Rare Earth Systems, Ladek Zdroj-Wroclaw, Poland, 2003; paper P9.