

## PUBLICATIONS:

- M. D. Petrović, **A. Daničić**, V. Atanasoski, S. Radosavljević, V. Prodanović, N. Miljković, B. Bojanić, J. Petrović, D. Petrović, Lj. Hadžievski, T. Allsop, G. Lloyd and D. J. Webb, *Fibre-grating sensors for the measurement of physiological pulsations*, to be published in *Physica Scripta* (2013)
- **A. Daničić**, J. Radovanović, D. Indjin, and Z. Ikonić, *Modeling of electron relaxation processes and the optical gain in a magnetic-field assisted THz quantum cascade laser*, *Physica Scripta*, T149, 014017 (2012).
- J. Radovanović, S. Ramović, **A. Daničić**, and V. Milanović, *Negative refraction in semiconductor metamaterials based on quantum cascade laser design for the mid-IR and THz spectral range*, *Applied Physics A*, vol. 109, 763 (2012).
- J. Radovanović, **A. Daničić**, V. Milanović, D. Ikonić and Z. Indjin, *Inter-Landau Level Scattering Processes in Magnetic Field Assisted THz Quantum Cascade Lased*, *Acta Physica Polonica A*, vol. 120, no. 2, 227-230 (2011).
- A. Wiberg, C.-S. Bres, **A. Daničić**, E. Myslivets and S. Radic, *Performance of Self-Seeded Parametric Multicasting of Analog Signals*, *Photonics Technology Letters*, vol. 23, issue 21, 1570-1572 (2011).
- **A. Daničić**, J. Radovanović, V. Milanović, D. Ikonić and Z. Indjin, *Optimization and magnetic-field tunability of quantum cascade laser for applications in trace gas detection and monitoring*, *Journal of Physics D – Applied Physics*, vol. 43, no. 4, 045101 (2010).
- S. Moro, **A. Daničić**, N. Alic, B. Stossel and S. Radic, *Noise-induced nonlinear frequency chirping in  $\chi^{(3)}$  media*, *Optics Express*, vol. 18, issue 22, 23413-23419 (2010).
- S. Moro, **A. Daničić**, N. Alic, N. Usechak and S. Radic, *Widely-tunable parametric short-wave infrared transmitter for CO<sub>2</sub> trace detection*, *Optics Express*, vol. 19, issue 9, 8173-8178 (2010).
- **A. Daničić**, J. Radovanović, V. Milanović, D. Ikonić and Z. Indjin, *Quantum Cascade Laser Design for Tunable Output at Characteristic Wavelengths in the Mid-Infrared Spectral Range*, *Acta Physica Polonica A*, vol. 117, no. 5, 772-776 (2010).
- A. Woellert, G. Gligorić, M. Škorić, A. Maluckov, N. Raičević, **A. Daničić** and Lj. Hadžievski, *Modulation Instability of Two-Dimensional Dipolar Bose-Einstein Condensate in a Deep Optical Lattice*, *Acta Physica Polonica A*, vol. 116, no. 4, 519-521 (2009).