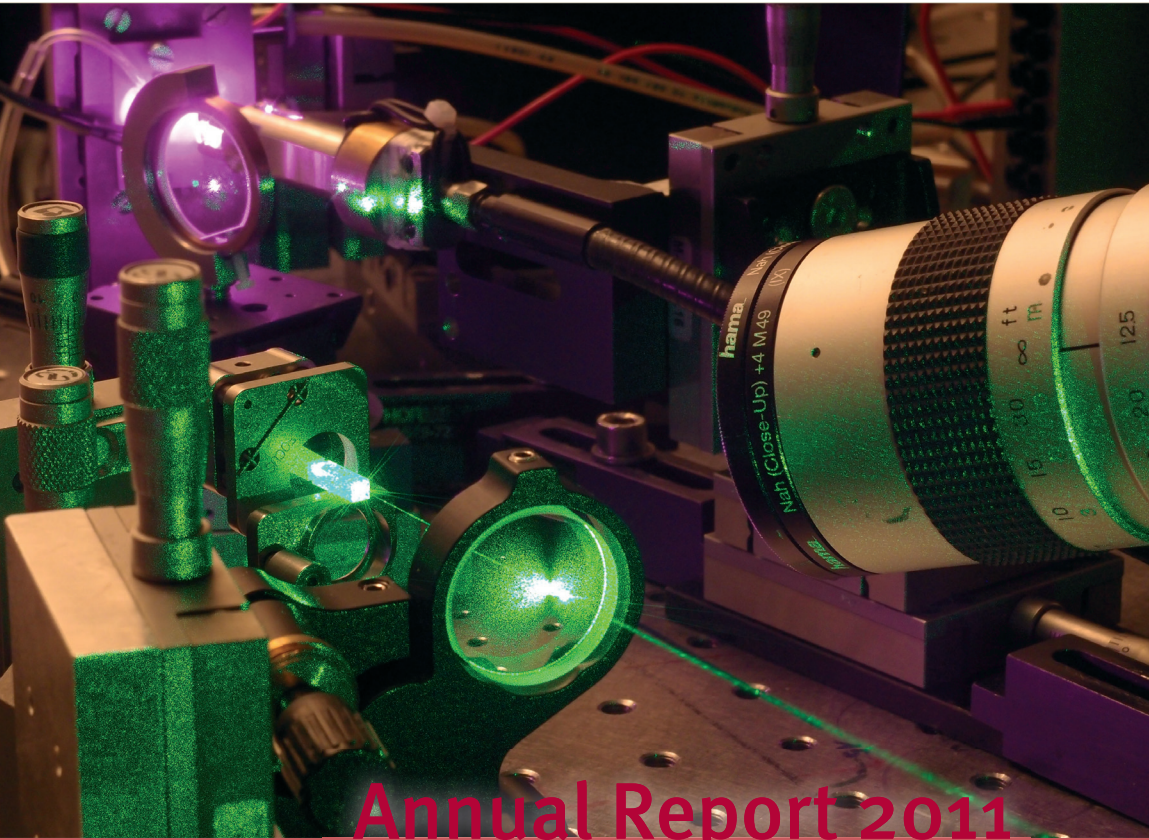




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Institute of Optoelectronics

Cover photo:

Frequency-doubled semiconductor disk laser system emitting up to 7.2 W of green light at a wavelength of 520 nm (see article on page 69). The laser system has a folded resonator setup including a nonlinear lithium triborate (LBO) crystal for second-harmonic generation of the fundamental emission at 1040 nm and a birefringent filter for polarization and frequency stabilization. The disk laser is optically pumped by a fiber-coupled broad-area diode laser bar at a wavelength of 808 nm. The pump light appears in magenta color due to the sensitivity of the CCD camera sensor at this wavelength.