



# EUROPHOTON 2022

## Thursday 01 September 2022

### Lunch and Poster Session 2 - Foyer (12:00-14:00)

[id] title	presenter	board
[81] Effect of multilayer substrate interference in planar waveguide scattering loss	LIU, Zhen	THU-P-2.1
[83] Numerical Analysis of Tapered Multicore Fibres for Laser System Scaling	ALESHIRE, Christopher	THU-P-2.2
[85] Self-phase modulation in periodically-poled thin-film lithium niobate waveguides	GUL, Gamze	THU-P-2.3
[88] Fiber-tip nanothermometer based on up-conversion nanocrystals for electrolysis cells	STEINKE, Michael	THU-P-2.4
[92] Scalable fabrication of twisted aperiodic multicore fibers for next-generation lens-less endoscopy	STEPHAN, Ronja	THU-P-2.5
[94] Highly birefringent all-normal dispersion silica fiber with flat dispersion profile in the 1200–2100 nm wavelength range	SZEWCZYK, Olga	THU-P-2.6
[95] Finite-size scaling behaviour in fully-connected equal-coupling multimode photonic networks	MELCHERT, Oliver	THU-P-2.7
[97] Experimental and numerical study of a 1.94- $\mu\text{m}$ monolithic single-oscillator thulium-doped fiber laser in continuous-wave regime	SANSON, Félix	THU-P-2.8
[100] Enhanced Nonlinear Spectral Broadening in Multi-Pass Cells Using Molecular Gases	KADIWALA, Moinuddin	THU-P-2.9
[102] Packaging of an ultra-stable all-fiber-integrated NALM oscillator at 1 $\mu\text{m}$ center wavelength for FEL facilities	HUA, Yi	THU-P-2.10
[104] Planar Polymer Optical Waveguide Coated with Metal-Organic Framework for CO <sub>2</sub> Sensing Application	ZHENG, Lei	THU-P-2.11
[101] VCSELs as Highly Sensitive Stand-Alone Distance Sensors	GÜNTHER, Axel	THU-P-2.13
[99] The impact of heat-load modulation on transverse mode instability in high-power, quasi-continuous wave fibre amplifiers	HOLAIF, Sobhy	THU-P-2.14
[98] 577 nm yellow laser source using external pumping	CHAYRAN, Great	THU-P-2.15
[96] Compact Nd:YAP/V:YAG nanosecond pulse generator at 1342 nm	ŠULC, Jan	THU-P-2.16
[93] Cryogenic Laser Operation of a “Mixed” Yb:YLuAG Garnet Crystal	SLIMI, Sami	THU-P-2.17
[91] Colloidal LiYF <sub>4</sub> :Pr nanocrystals downsized to 10 nm – Part 2: spectroscopic properties	SPELTHANN, Simon	THU-P-2.18
[90] Novel coercive field engineering technique for improved periodic poling of KTiOPO <sub>4</sub> isomorphs	BARRETT, Laura	THU-P-2.19
[89] High-power optical amplifier with enhanced wall-plug efficiency for 10-channel WDM satellite laser communication systems	HOCHHEIM, Sven	THU-P-2.20
[87] Entirely passive thin-disk dual-comb spectrometer operating in green	HOFER, Tobias	THU-P-2.21
[86] Optimized composition of LiREF <sub>4</sub> (RE = Tb, Y) crystals for efficient green and yellow lasers - fluorescence quenching in Tb <sup>3+</sup> ions	BADTKE, Moritz	THU-P-2.22

<b>[84] Towards Carrier-Envelope Phase Stabilization of a 110 MW Thin-Disk Oscillator</b>	KOPP, Yasmin	THU-P-2.23
<b>[82] Towards a monolithic, multi-gigahertz mode-locked Ti:Sa laser</b>	FIEHLER, Torben	THU-P-2.24
<b>[80] Energy scaling of multi-pass cells for nonlinear optics</b>	HARITON, Victor	THU-P-2.25
<b>[79] Comparative study on pump wavelength dependent efficiency in Nd:YVO4</b>	SCHNEEWIND, Merle	THU-P-2.26
<b>[78] Mamyshev regenerator for ultrashort light pulse shaping</b>	LIAUGMINAS, Gustas	THU-P-2.27
<b>[140] Multimodal optical device for non-contact skin examination</b>	JÜTTE, Lennart	THU-P-2.28
<b>[141] Towards optical integrated ion traps</b>	GRIMPE, Carl-Frederik	THU-P-2.29