

Photorefractive Photonics and Beyond

Friday, 9 September 2022

Nonlinear light-matter interaction and applications: (session chair: prof. Cinzia Sada) (08:30 - 10:00)

time	[id] title	presenter
08:30	[50] Polar oxide nanomaterials - an emerging playground in photophysics	IMLAU, Mirco
09:05	[56] Small polaron hopping in Fe:LiNbO ₃ from microscopic modelling to macroscopic observables	VITTADELLO, Laura
09:30	[52] Time resolved sum-frequency generation in harmonic LiNb _{1-x} TaxO ₃ (LNT) nanoparticle pellets	KLENEN, Jan

Nonlinear light-matter interaction and applications: (session chair: prof. Marco Bazzan) (10:25 - 12:05)

time	[id] title	presenter
10:25	[17] Slowdown of nanosecond light pulses without distortion in a SPS crystal	BOULDJA, nacera
10:50	[41] Polarization dependent second-harmonic generation in cascaded optically poled fibers	Prof. MODOTTO, Daniele
11:15	[18] Controllable waveguiding structures induced by diffracting Bessel beams in a nonlinear medium	CHAI, Yue
11:40	[45] Conical diffraction cascades and interplay with linear and nonlinear material properties	Mr IQBAL, Muhammad Waqar