P2.1 Low flicker intensity-noise in quantum-cascade lasers with designed impurity-doping
Shohei Hayashi, Tooru Hirohata, Kazunori Tanaka, Kazue Fujita and Masamichi Yamanishi

P2.2 Hybrid intersubband surface plasmon polaritons in subwavelength planar plasmonic resonators
Miroslaw Zaluszny

P2.3 Quantum-cascade laser for the terahertz array heterodyne spectrometer on SOFIA
Haiiko Richter, Martin Wienold, Klaus Biermann, Lutz Schrottke, Holger T. Grahn and Heinz-Wilhelm Hübers

P2.4 Fast spectral terahertz imaging through frequency tuning in a quantum-cascade laser
Till Hagenscher, Nick Rothbart, Heiko Richter, Martin Wienold, Lutz Schrottke, Holger T. Grahn and Heinz-Wilhelm Hübers

P2.5 Real-time, phase-sensitive terahertz imaging through self-mixing in a quantum-cascade laser
Martin Wienold, Till Hagenscher, Lutz Schrottke, Klaus Biermann, Holger T. Grahn and Heinz-Wilhelm Hübers

P2.6 Analysis of operating regimes of terahertz QCL frequency combs
Petr Tzengov, David Burghoff, Qing Hu and Christian Jirauschek

P2.7 Bow-tie cavity for THz light
Annamaria Campa, Luigi Consolino, Saverio Bartalini, Davide Mazzotti, Miriam Serena Vitiello and Paolo De Natale

P2.8 Multimode dynamics of a THz QCL: coherent and irregular regimes
Lorenzo Colombo and Massimo Brambilla. To be presented by Gastan Scaramarco

P2.9 Spectra characterisation of a Terahertz QCL through self-mixing

P2.10 QCL-based dual comb heterodyne spectroscopy from diffusely scattering surfaces

P2.11 A proposal and simulation for phase-locked THz-QCLs array by mutual injection of the optical fields
Yang Ning, Iman Kundu, Yan Xie, Weidong Chu, Alexander Valavanis and Edmund Linfield

P2.12 High performance quantum cascade detector array for CO2 detection
Andreas Harrer, Benedikt Schwarz, Rolf Szedlak, Simone Schuler, Herrmann Detz, Aaron Maxwell Andrews, Tobias Zederbauer, Donald Macfarland, Werner Schrenk and Gottfried Strasser

P2.13 Terahertz meta-atom quantum well photo-detectordeep
Bruno Paulillo, Stefano Pirolo, Linhão Li, Stéphane Guillet, Edmund Linfield, Giles Davies and Raffaele Colombelli

P2.14 Interferometry via thermal modulation in low duty cycle pulsed terahertz QCLs
Gary Agnew, Andrew Grier, Thomas Taimre, Yah Leng Lim, Karl Bertling, Zoran Ikonič, Alexander Valavanis, Paul Dean, Jonathan Cooper, Suraj Khanna, Mohammad Lachah, Edmund Linfield, Giles Davies, Paul Harrison, Dragan Indjin and Aleksandar Rakić

P2.15 Cavity-induced slow gain recovery in pump-probe experiments of quantum cascade lasers
Muhammad Anisuzzaman Talukder, Paul Dean, Edmund Linfield and A. Davies

P2.16 Self-pulsations in QCLs
Nikola Vukovic, Jelena Radovanovic, Vtomir Milanovic and Dmitri Bolko

P2.19 Integrated THz QCL local oscillators for the LOCUS atmospheric sounder
Alexander Valavanis, Yingjun Han, Olivier Auriacome, Thomas Rawlings, Rui Dong, Byron Alderman, Matthew Oldfield, Nick Brewster, Lianhe Li, Peter Huggard, Alexander Gies Davies, Brian Ellison and Edmund Linfield

P2.17 Noninvasive, in vivo monitoring of glucose concentrations using mid-infrared quantum cascade laser spectroscopy
Alexandra Werth, Sabir Liakat, Angi Dong, Yehezi Zhang and Claire Gmachl

P2.21 Coupled transmission line/Maxwell-Bloch simulation approach for analysis of active mode locking in terahertz quantum cascade lasers
Petr Tzengov, David Burghoff, Michael Riesch, Qing Hu and Christian Jirauschek

P2.22 Origin of terminal voltage voltages due to self-mixing in a terahertz frequency quantum cascade laser
Andrew Grier, Paul Dean, Alexander Valavanis, James Keeley, Iman Kundu, Jonathan Cooper, Gary Agnew, Thomas Taimre, Yah Leng Lim, Karl Bertling, Aleksandar Rakić, Paul Harrison, Lianhe Li, Edmund Linfield, Zoran Ikonič, Giles Davies and Dragan Indjin

P2.23 Modelling of mode competition characteristics in coupled-cavity terahertz quantum cascade lasers using multi-mode reduced rate equations
Xiaqiong Qi, Iman Kundu, Paul Dean, Gary Agnew, Thomas Taimre, Dragan Indjin, Lianhe Li, Edmund Linfield, Giles Davies and Aleksandar Rakić

P2.24 Antenna-coupled two photon quantum well photodetector
Daniele Palermo, Yaniko Todorov, Mena Amanti, Lianhe Li, Li Chen, Edmund Harold Linfield and Carlo Sirtori

P2.25 Self-detection mode of scattering-type near-field microscopy with mid-infrared quantum cascade lasers
Clemens Liewald, Gastan Scaramarco, Lorenzo Colombo, Massimo Brambilla and Fritz Keilmann

P2.26 Novel mid-infrared gas sensor based on mutually coupled quantum cascade lasers
Andreas Herdt, Adonis Bogris, Dimitris Syrvidis and Wolfgang Elsäßer