

| Monday, March 21 | | Tuesday, March 22 | | Wednesday, March 23 | | Thursday, March 24 | |
|--------------------|---|--|--|---------------------|--|--|--|
| 9:00-9:30 | WELCOME / REGISTRATION | 9:00-9:30 | Morning Coffee | 9:00-9:30 | Morning Coffee | 9:30-11:00 COST Action MP1204 MC Meeting Part I | |
| 9:30-10:00 | Vladimir Vaks (IPM RAS, Russia) Methods and approaches of high resolution spectroscopy for analytical applications | 9:30-10:00 | William J. Otter (Imperial College London, UK) Terahertz Metamaterial Devices | 9:30-10:00 | Feodor Kusmartsev (Loughborough University, UK) Novel hybrid semiconductor- superconductor devices for generation of Terahertz radiation | | |
| 10:00-10:20 | Markku Vainio (University of Helsinki, Finland) Infrared optical frequency combs for spectroscopy | 10:00-10:20 | Lutfi Ozyuzer (Izmir Institute of Technology, Turkey) Bi2212 High-Tc Superconducting Sources, Detectors and Filters for Terahertz Science and Applications | 10:00-10:20 | Elham Javadi (Universidad de Salamanca, Spain) Nonlinear Transmission-Line Model for Heterodyne Terahertz response of a FET at Arbitrary Gate Voltage | | |
| 10:20-10:40 | Vincenzo Spagnolo (CNR-IFN Bari, Italy) Custom quartz tuning forks for optoacoustic gas sensing in the Infrared and THz spectral ranges | 10:20-10:40 | Hakan Alaboz (Izmir Institute of Technology, Turkey) Fabrication and Characterization of DC Sputtered VOx:Au Films for THz Bolometers | 10:20-10:40 | J.A. Delgado Notario (presented by E. Javadi) Experimental and TCAD studies of the Terahertz photoresponse enhancement in strained-Si MODFETs | | |
| 10:40-11:00 | Marilena Giglio (CNR-IFN Bari, Italy) Terahertz quartz-enhanced photoacoustic spectroscopy employing a tuning fork with enhanced sensing performance | 10:40-11:00 | Yasemin Demirhan (Izmir Inst. of Technology, Turkey) Design and Analysis of Narrowband Metamaterial Filters in Terahertz Range | 10:40-11:00 | Filipa R. Prudêncio (Ins. de Telecomunicações, Portugal) Novel Designs for Optical Isolation of Circularly Polarized Light | 11:20-13:00 COST Action MP1204 MC Meeting Part II | |
| 11:00-11:20 | Coffee Break | 11:00-11:20 | Coffee Break | 11:00-11:20 | Coffee Break | | |
| 11:20-11:50 | Piotr Gutowski (ITE, Poland) Strain compensated AlInAs/InGaAs/InP quantum cascade lasers at 4.4 μm | 11:20-11:50 | Norbert Palka (MUT, Poland) Terahertz non-destructive testing of composite materials | 11:20-11:40 | R. Butkutė (CPST, Lithuania) Bi Nanoparticle Formation by Thermal Annealing of GaAsBi/AlAs Multi-Quantum Well Structures | | |
| 11:50-12:10 | Marcin Motyka (Wroclaw Univ. of Technology, Poland) Type II quantum wells with tensile-strained GaAsSb layers for interband cascade laser: energy structure determination and carriers diffusion | 11:50-12:10 | Stephen M. Hanham (Imperial College London, UK) Terahertz Optical Hall Effect Analysis of Graphene | 11:40-12:00 | Li Yue (presented by Shumin Wang, Chalmers University of Technology, Sweden) Optical Properties of InGaAs/GaAsBi Type-II Quantum wells | | |
| 12:10-12:30 | Robert Weih (Universität Würzburg, Germany) Low Threshold Interband Cascade Lasers for Gas Sensing Applications in the Mid Infrared | 12:10-12:30 | B. Karagoz (presented by H. Altan, METU Turkey) Terahertz Pulsed Imaging of Dental Structures | 12:00-12:20 | Liyao Zhang (Shanghai IMIT, China) Nanoscale distribution of bismuth in InPBi | Departure | |
| 12:30-14:30 | Networking Lunch | 12:30-14:30 | Networking Lunch | 12:30-14:30 | Networking Lunch | | |
| 14:30-14:50 | Elżbieta Machowska-Podsiadło (Rzeszow UT, Poland) 8-band k-p modeling of temperature dependence of absorption edge in InAs/GaSb superlattices | 14:30-14:50 | Yuchen Zhang (Vrije Universiteit Brussel, Belgium) Experimental validation of a Label-free Immobilization-free mm wave sensor in different biological and pharmaceutical applications | 14:30-14:50 | Hafssaa Latioui (University of Coimbra, Portugal) Multi-wire endoscopes for near-field transport | | |
| 14:50-15:10 | Mauro F. Pereira (Sheffield Hallam Univ., UK) Microscopic Theory of Harmonic Generation in Semiconductor Superlattices | 14:50-15:10 | Damir Dominko (Institute of Physics, Croatia) Low temperature order in (NbSe ₄) ₃ examined by near IR pump-probe spectroscopy | 14:50-15:10 | Mario Silveirinha (University of Lisbon, Portugal) Topological Invariants in an Electromagnetic Continuum | | |
| 15:10-16:00 | Discussion + Coffee | 15:10-15:30 | Maria Mernea (presented by Dan F. Mihailescu, University of Bucharest, Romania) Molecular modelling of protein binding events that can be detected with a millimeter-wave sensor | 15:10-15:30 | David E. Fernandes (University of Coimbra, Portugal) Optical pulling forces on chiral nanoparticles | 15:10-17:00 Poster Session + Coffee | |
| | | 15:10-17:00 Poster Session + Coffee | | 15:40-16:00 | CLOSING ADDRESS | | |
| | | | | 16:00-17:00 | Discussion + Coffee | | |

List of posters

- P01 Mateusz Dyksik Optical characterization of AlGaAs/GaAs multiple quantum well active region predicted for quantum cascade lasers in terahertz range
- P02 Iwona Sankowska High Resolution X-ray Diffraction analysis of the diffuse scattering in the Al_{0.45}GaAs/In_xGaAs active region in QCL structures
- P03 Emilia Pruszyńska-Karbownik Field distribution in waveguide of mid-infrared strain compensated InAlAs/InGaAs/InP quantum cascade laser – simulation and measurement
- P04 Emilia Pruszyńska-Karbownik Current-induced polarization change in a quantum cascade laser
- P05 Magdalena Morawiec Electro - optical characterization of AlInAs/InGaAs/InP quantum cascade lasers
- P06 Anna Wójcik-Jedlińska Influence of geometrical parameters accuracy on optical properties of GaAs high-index contrast gratings
- P07 Siming Wang Beam quality of a Vertical- External- Cavity Surface- Emitting Laser Based Terahertz Beam Source
- P08 Nikola Vukovic Determination of RNGH Round-trip Gain in QCLs
- P09 Eduard Hulicius MIR LED-like structures with high temperature superlinear luminescence
- P10 Andres Udal Recent Progress in Development of the Resonant Tunneling Diode Sources for the Critical Part of THz Gap
- P11 Anna Sitek Few electrons in core-double-shell rings
- P12 Andreas Herdt Novel Mid-infrared Gas Sensor Based on Mutually Coupled Quantum Cascade Lasers
- P13 Tomasz Ochalski Milk Powder Rehydration Process Control: Comparison between FTIR and Widely-Tunable Quantum Cascade Laser
- P14 Thomas Siday 2 μm aperture for near-field THz microscopy
- P15 João Pedro Pavia Design of Low Cost Frequency Selective Structures with Extremely Small Bandwidth
- P16 Tiberius Vasile Scan-based THz imaging system for authenticity markers detection
- P17 Stefan Kolev Deposition of defected graphene on (001) Si substrates by thermal decomposition of acetone: Raman spectroscopic studie
- P18 Stefan Kolev Deposition of defected graphene on (001) Si substrates by thermal decomposition of acetone: XPS, XRD & GIXRD and SEM studies
- P19 Teodor Milenow Deposition of graphene by thermal decomposition of acetone on (001) Si substrates
- P20 Antonello Andreone Terahertz shielding of carbon nanocomposite materials
- P21 Yıldız Menteşe Characterization of Liquid Sweeteners in the Terahertz (THz) Frequency Region
- P22 Carolina Elicker Characterization of KNbO₃
- P23 Aleksandar Daničić Possibilities of achieving negative refraction conditions in quantum well structures based on cubic nitrides