

6th EOS Topical Meeting on Terahertz Science & Technology (TST 2018)

Hotel Radisson BLU, Berlin, Germany, 6 - 9 May, 2018

Synopsis

European Optical Society proudly welcomes optics and photonics professionals to its 6th Topical Meeting on Terahertz Science & Technology (TST 2018) in Berlin, Germany. The topical meeting is expected to gather around 100 participants from Europe and all over the world to Radisson BLU Hotel, located in the heart of Berlin, between 6th and 9th of May, 2018. This topical meeting provides a platform on which the latest results in the generation, detection and use of THz radiation in science and technology will be presented and discussed.

Chairs

- Heinz-Wilhelm Hübers, German Aerospace Center (DLR), Berlin, DE
- Jozsef Fülöp, University of Pecs, HU

Topics

- Emission of THz radiation (QCLs, HEMTs, FELs, synchrotrons, nonlinear optics etc.)
- Detection of THz radiation (quantum dots, single photon detectors, time-gated, transistors etc.)
- THz integrated optics, waveguiding, plasmonics, metamaterials, photonic crystals
- Interaction of THz radiation with matter (dielectrics, semiconductors, nanostructured materials, graphene, liquid-state dynamics, chemistry, biology, ultrafast spectroscopy)
- Nonlinear phenomena induced by THz radiation
- THz far-field and near-field imaging, THz microscopy and microspectroscopy
- Remote sensing of gases, chemical/biological agents
- THz applications (security, telecom, remote detection)

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Keynote Speaker

- Prof. Dr. Thomas Elsaesser, Max-Born- Institut für nichtlineare Physik, DE

Master Class Speakers

- Prof. Dr. Holger T. Grahn, Paul Drude Institut für Festkörperelektronik, DE
- Prof. Peter Uhd Jepsen, Technical University of Denmark, DK

Invited speakers

- Dr. Joshua Freeman, University of Leeds, UK
- Prof. Dr. János Hebling, University of Pécs, HU
- Prof. Euan Hendry, University of Exeter, UK
- Prof. Dr. Tobias Kampfrath, Freie Universität Berlin, DE
- Prof. Susumu Komiyama, The University of Tokyo, JP
- Prof. Sergey Morozov, Institute for Physics of Microstructures, Russian Academy of Sciences, RU
- Prof. Ranjan Singh, Nanyang Technological University, SG
- Prof. Jan Stake, Chalmers University of Technology, SE
- Dr. Martin Wienold, Humboldt Universität Berlin, DLR, DE

Program Committee

- Michael I. Bakunov, University of Nizhny Novgorod, RU
- Christoph Peter Hauri, Ecole Pol. Féd. Lausanne, CH
- Manfred Helm, HZDR, DE
- Martin Koch, Philipps University Marburg, DE
- Petr Kuzel, Acad. of Sci. of Czech Rep., Inst. Phys., CZ
- Daniel M. Mittleman, Rice University, US
- Jérôme Tignon, ENS Paris, FR
- Masayoshi Tonouchi, Osaka University, JP
- Karl Unterrainer, TU Vienna, AT
- Miriam Serena Vitiello, CNR Inst. Nanoscienze, IT

Schedule

Submission Timeframe: 8 January – **26 February 2018**
 Notification to authors: 12 March 2018
 Publication of the Advance Programme: 26 March
 Early bird registration / Author registration: 19 April

Abstract Submission

Authors are requested to submit an abstract, minimum of 500 words and a maximum of two pages and preferably with at least one figure. Contributions will be accepted for oral and poster presentation, please indicate preference. All accepted contributions are to be published on the EOS Topical Meeting Proceedings.

Early-bird registration fees

EOS member / non-member	500 € / 550 €
EOS student member / non-member	350 € / 380 €

Fees include full-time admission to the topical meeting and sessions, welcome reception, daily lunches and coffee breaks, and possible institute visits. Fees exclude VAT. VAT excluded for Non-EU companies, EU companies and businesses (except Finland) with VAT number.

