

## EOS NEWSLETTER FEBRUARY 2018

## Submission closing soon- EOS Topical Meeting on Terahertz Science & Technology (TST 2018)

Submit by Sunday, 18 February 2018: <https://www.conftool.com/tst2018>

European Optical Society proudly welcomes You 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. The chairs of the conference are Prof. Heinz-Wilhelm Hübers from German Aerospace Center (Germany) and Dr. Jozsef Fülöp from University of Pecs (Hungary). 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 Fulop (University of Pecs, HU)

### Keynote Speaker

Prof. Dr. Thomas Elsaesser, Max-Born- Institut für nichtlineare Physik, Germany;  
*Nonlinear terahertz spectroscopy - basic concepts and applications in solid state physics*

### Master Class Speakers

- Prof. Dr. Holger T. Grahn, Paul Drude Institut für Festkörperelektronik, Germany; *THz QCLs*
- Prof. Peter Uhd Jepsen, Technical University of Denmark, Denmark;  
*Applications of THz time-of-flight imaging*

### Invited Speakers

- Dr. Joshua Freeman, University of Leeds, United Kingdom; *Quasi-optical injection locking of a THz QCL to telecommunications wavelength frequency comb*
- Prof. Dr. János Hebling, University of Pécs, Hungary; *High power, short pulse THz sources*
- Prof. Euan Hendry, University of Exeter, United Kingdom; *Compressed sensing with THz radiation*
- Prof. Dr. Tobias Kampfrath, Freie Universität Berlin, Germany; *Probing and controlling spin dynamics by terahertz waves*
- Prof. Susumu Komiyama, The University of Tokyo, Japan; *Near-field imaging of THz fluctuation of matters*
- Prof. Sergey Morozov, Institute for Physics of Microstructures Russian Academy of Sciences, Russia; *HgCdTe-based heterostructures for THz emitters*
- Prof. Ranjan Singh, Nanyang Technological University, Singapore; *THz metamaterials*
- Prof. Jan Stake, Chalmers University of Technology, Sweden; *THz generation with diode frequency multipliers*
- Dr. Martin Wienold, Humboldt Universität Berlin, DLR, Germany; *High resolution spectroscopy with THz QCLs*

**Programme 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)

**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 etc.)
- Nonlinear phenomena induced by THz radiation
- THz far-field and near-field imaging, THz microscopy and microspectroscopy
- Remote sensing of gases and chemical / biological agents
- THz applications (security, telecom, remote detection etc.)

**Abstract Submission**

Abstracts can only be submitted online via Conftool: <https://www.conftool.com/tst2018>

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. Submission deadline is 18th of February 2018.

**Registration fees (excl. VAT)\***

Early-bird for members	500,00 €
Early-bird non-members	550,00 €
Early-bird student members	350,00 €
Early-bird student non-members	380,00 €

The registration fee includes full-time admission to the topical meeting and sessions, welcome reception, lunches, coffee breaks, and possible institute visits.

\*VAT excluded for Non-EU companies, EU companies and businesses (except Finland) with VAT number.

Members of the European Optical Society (EOS), Japan Society of Applied Physics (JSAP), Optical Society of Korea (OSK), Optical Society of Japan (OSJ), Taiwan Photonics Society (TPS) and the Chinese Optical Society (COS) are entitled to register with EOS member fee.

See you in the heart of Berlin, in the beginning of May!

## EOS announces a new Topical Meeting on Waves in Complex Photonics Media: Fundamentals and Device Applications

<http://www.myeos.org/events/anacapri2018>

The Topical Meeting will be held in the beautiful scenery of Italy, Anacapri, in the Island of Capri between 4<sup>th</sup> and 7<sup>th</sup> of June, 2018. A long list of world-renowned experts in the field of optics in complex media have been invited to speak at the event. Submissions will be accepted for both oral and poster presentations. Submission opens soon.

### General Chairs

Luca Dal Negro, Boston University (USA)

Vito Mocella, Consiglio Nazionale delle Ricerche (Italy)

### Topics

- Complex electromagnetic media
- Optics of pseudo-random structures
- Aperiodic metamaterials
- Multiscale optical media and fractal optics
- Aperiodic order in Photonics
- Incommensurate structures and quasicrystals
- Aperiodic plasmonics
- Transport in aperiodic systems
- Photonic amorphous systems
- Numerical methods for waves in complex systems
- Hyperuniform optical media
- Analytical techniques in complex optics
- Wave localization in correlated aperiodic media
- Fractional transport in wave optics

### List of Invited Speakers

- Ad Lajendijk, University of Twente (Netherlands)
- Mark Brongersma, Stanford University (USA)
- Eric Akkermans, Technion Israel Institute of Technology (Israel)
- Felipe Pinheiro, Universidade Federal do Rio de Janeiro, Rio de Janeiro (Brazil)
- Shanhui Fan, Stanford University (USA)
- Jacopo Bertolotti, University of Exeter (UK)
- Nader Engheta, University of Pennsylvania (USA)
- Hui Cao, Yale University (USA)
- Nikolay Zheludev, University of Southampton (UK)
- Vladimir Shalaev, Purdue University (USA)
- Alexandra Boltasseva, Purdue University (USA)
- Steven Johnson, Massachusetts Institute of Technology (USA)
- Mikael C. Rechtsman, Pennsylvania State University (USA)
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- Peter Schmelcher, University of Hamburg (Germany)
- Carlo Forestiere, University of Naples Federico II (Italy)
- Fiorenzo Omenetto, Tufts University (USA)
- Concita Sibilica, University La Sapienza, Rome (Italy)
- Walter Pfeiffer, University of Bielefeld (Germany)
- Tsampikos Kottos, Wesleyan University (USA)
- Azriel Genack, Queens College, NYU (USA)
- Sergey Skipetrov, CNRS Grenoble (France)
- Igor Tsukerman, Akron University (USA)
- Francesco Riboli, CNR and LENS (Italy)
- Jacob Khurgin (John Hopkins University, USA)

#### Local Organizing Committee

Vito Mocella (IMM-CNR), Carlo Forestiere (University of Naples Federico II), Silvia Romano (IMM-CNR)

See more information on accommodation, venue and travel: <http://www.myeos.org/events/anacapri2018>

## Submission open for the European Optical Society Biennial Meeting (EOSAM) 2018

<http://www.myeos.org/events/eosam2018>

EOS biennial Meeting will be held in Delft, Netherlands. The meeting will take place at the Delft University of Technology, in October 08 - 12, 2018. Netherlands is the hot spot for photonics in Europe and the strong optics research and industry in Delft makes it a perfect location to hold the upcoming symposium.

The meeting will once again include several topical meetings, tutorials, workshops, industrial exhibition, and more.

#### The Topical Meetings (TOMs) include:

[TOM 1- Silicon Photonics and Guided-Wave Optics](#)

[TOM 2- Freeform Optics for Illumination, AR and VR](#)

[TOM 3- Optical System Design, Tolerancing, and Manufacturing](#)

[TOM 4- Bio-Medical Optics](#)

[TOM 5- Metamaterials, Plasmonics and Resonant Nanophotonics](#)

[TOM 6- Frontiers in Optical Metrology](#)

[TOM 7- Organic & Hybrid Semiconductor Materials and Devices](#)

[TOM 8- Adaptive Optics & Information driven optical systems](#)

[TOM 9- Optical tapered fibers for light manipulation on the nanoscale](#) - NEW

#### Special workshops and sessions:

[EU Project result dissemination Session](#)

[Grand Challenges of Photonics Session](#)

### Abstract Submission

Submit to: [www.conftool.com/eosam2018](http://www.conftool.com/eosam2018)

Submission timeframe: 1 December 2017- 15 April 2018

Informing authors about acceptance: 30 May 2018

Abstracts can only be submitted online via Conftool: [www.conftool.com/eosam2018](http://www.conftool.com/eosam2018)

See instructions for creating a user account/submitted from existing user account [here](#).

Authors are requested to submit an extended abstract of two pages with at least one figure. The abstract must be formatted according to the EOS abstract guidelines, which can be downloaded here. You might wish to use either the Word or LaTeX template.

Contributions will be accepted for oral and poster presentations (please indicate your preference). At least one author is requested to register for the meeting separately from the abstract submission.

## Upcoming EOS Co-sponsored events

<http://www.myeos.org/events/co-sponsored>

### Schools and Courses

[International Thematic School](#)

Duration: 16 April 2018 - 27 April 2018

Location: Les Houches Physics School, Chamonix Mont Blanc Valley, France

- Application deadline (short motivation letter + abstract for a poster): FEBRUARY 22, 2018

### Events

[PCNSPA - Photonic Colloidal Nanostructures: Synthesis, Properties, and Applications](#)

Duration: 4 June 2018 - 8 June 2018

Location: St Petersburg, Russia

[13th AIVELA Intl Conference on Vibration Measurements by Laser and NONcontact Techniques & Short Course](#)

Duration: 19 June 2018 - 22 June 2018

Location: Ancona, Italy

[World Congress on Advanced Laser, Optics and Photonics](#)

Duration: 20 June 2018 - 21 June 2018

Location: Paris, France

[9th International Conference on Optical Communication Systems \(OPTICS2018\)](#)

Duration: 26 July 2018 - 28 July 2018

Location: Porto, Portugal

[2018 International Conference on Optical MEMS and Nanophotonics OMN 2018](#)

Duration: 29 July 2018 - 2 August 2018

Location: Lausanne, Switzerland

**Need help in organizing an event?**

The EOS Conference Office can help. Contact our conference team at [info@myeos.org](mailto:info@myeos.org).

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