



Advances in Ultrafast Condensed Phase Physics (PE103)

Conference Chairs: **Stefan Haacke**, Institut de physique et chimie des matériaux de Strasbourg (France); **Sangeeta Sharma**, Max-Born-Institut für Nichtlineare Optik und Kurzzeitspektroskopie (Germany); **Vladislav Yakovlev**, Max-Planck-Institut für Quantenoptik (Germany)

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Recent progress at the frontiers of ultrafast condensed-matter physics would be impossible without joint efforts of researchers working in two areas that traditionally had minor overlap: condensed-matter physics and ultrafast science. This conference aims at bringing together researchers from both these areas to discuss recent breakthroughs and new ideas related to advancing our understanding of and control over light-matter interaction. We explicitly invite experimental and theoretical contributions. In particular, contributions in the following areas are encouraged:

- strong-field processes in condensed matter, including high-harmonic generation
- ultrafast electron dynamics in atomically thin materials and topological materials
- ultrafast electron dynamics in strongly correlated materials
- ultrafast dynamics of molecular systems in the condensed phase
- ultrafast magnetism and phase transitions
- lightwave-controlled electric currents in solids and nanoscale objects
- novel experimental and theoretical tools for ultrafast condensed-matter physics.

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Follow these instructions to develop a successful abstract and accompanying manuscript for the conference and for publication in the Proceedings of SPIE in the SPIE Digital Library.

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2. Click "Submit an Abstract" from within the conference you've chosen, and you'll be prompted to sign in to your spie.org account to complete the submission wizard.

What you will need to submit

A completed electronic submission is due 25 September 2019 and should include the following:

- Title
- Author(s) information
- 500-word abstract for technical review
- 300-word summary for the Programme
- Keywords used in search for your paper (optional)
- A 2-4 page abstract file including supplemental information. Click here to download the supplemental file specifications.
- Your decision on publishing your presentation recording to the SPIE Digital Library (slide capture and audio)
- Some conferences may indicate additional requirements in the Call for Papers (for example: instructions for competing for awards)
Note: Only original material should be submitted. Commercial papers, papers with no new research/development content, and papers with proprietary restrictions will not be accepted for presentation.

Submission agreement

Presenting authors, including keynote, invited, oral, and poster presenters, agree to the following conditions by submitting an abstract. An author or coauthor will:

- Register and attend the meeting.
- Present as scheduled.
- Publish a 6-20 page manuscript in Proceedings of SPIE in the SPIE Digital Library.
- Obtain funding for registration fees, travel, and accommodations, independent of SPIE, through their sponsoring organizations.
- Ensure that all clearances, including government and company clearance, have been obtained to present and publish. If you are a DoD contractor in the USA, allow at least 60 days for clearance.

Important dates

Abstracts due	25 September 2019
Author notification (by email) of acceptance and presentation details	6 December 2019
Manuscripts due	26 February 2020

Review and programme placement

- To ensure a high-quality conference, all submissions will be assessed by the Conference Chair/Editor for technical merit and suitability of content.
- Conference Chair/Editors reserve the right to reject for presentation any paper that does not meet content or presentation expectations.
- Final placement in an oral or poster session is subject to Chair discretion.

Publication of Proceedings in the SPIE Digital Library

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- More publication information available on the SPIE Digital Library.

Contact information

For questions about your presentation, submitting an abstract post-deadline, or the meeting, contact **Alex Pulchart Rusova**, your Conference Programme Coordinator.

SAVE THE DATE

Abstracts Due:
25 September 2019

Author Notification:
6 December 2019

The contact author will be notified of acceptance by email.

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