



11th International Conference
on Photo-Excited Processes
and Applications



ICPEPA

ICPEPA-11

SEPTEMBER 10-14 2018
VILNIUS, LITHUANIA

REGISTRATION AND ABSTRACT SUBMISSION

open from February 1st

IMPORTANT DATES

Abstract Submission Deadline May 14, 2018

Registration Early Bird Deadline July 1st, 2018

Registration includes: admission to all scientific sessions, social program, excursions and visiting Universities and companies

REGISTRATION

Regular Early Bird	380 Eur
Student Early Bird	170 Eur
Late Registration	450 Eur
Student Late Registration	240 Eur

For sponsorship and exhibit information please visit

www.icpepa11.com/sponsors

www.icpepa11.com

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SEPTEMBER 10-14, 2018



September 10-14, 2018

Radisson Blu Hotel Lietuva
(Konstitucijos Ave. 20, Vilnius, Lithuania)



WELCOME TO VILNIUS

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KEY GROWTH INDUSTRIES

Biotech, Lasers & Photonics, FinTech

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TOPICS

ICPEPA-11 topics include but not limited to:

1. Fundamental phenomena in laser-matter interactions;
2. Theoretical analysis, simulation and modelling of photo-excited processes;
3. Dynamics and diagnostics of photo-excited processes;
4. Ultrafast photo-excited phenomena in chemical processes;
5. Photo- catalysis and energy conversion;
6. Photo/laser- induced desorption from surfaces;
7. Laser- matter interactions in liquid environment;
8. Resonant and non-resonant processes in photo/laser- induced materials;
9. Photo/laser- induced nanoscale processing;
10. Laser synthesis of nanomaterials;
11. Surface nanostructuring and nanoripple formation;
12. Plasmon- enhanced photo/laser processing;
13. Pulsed laser deposition (PLD) of thin films, multilayers and nanostructured materials;
14. Laser cutting, drilling, surface patterning and micromachining;
15. Surface modification including crystallization, annealing, amorphization, phase transformation, sintering and doping;
16. Volume and 3D internal processing with ultrashort pulse lasers;
17. Photon- based 3D additive manufacturing;
18. Advanced lasers and laser systems for photo - excited processes;
19. Manipulated/shaped beam processing;
20. Polarisation effects in laser processing;
21. Laser and photon-based diagnostic techniques and spectroscopy;
22. Probing ultrafast phase transformations with time-resolved X-ray and electron diffraction;
23. Interactions with organic and biomaterials and applications including MALDI and laser microprobe mass analysis;
24. Laser in medical and biological applications.

CONFIRMED INVITED SPEAKERS

Igor Aharonovich (School of Mathematical and Physical Sciences, University of Technology, Sydney, Australia)
Spectroscopy in Flatland

Harald Giessen (University of Stuttgart, Germany)
Complex and hybrid 3D printed microoptics

Anders Kristensen (DTU, Lyngby, Denmark)
Nano-scale Laser Printing on Template Optical Metasurfaces

Yongfeng Lu (Department of Electrical Engineering University of Nebraska-Lincoln, USA)
Two-photon polymerization for three-dimensional assembly of aligned carbon nanotubes

Ru-Wen Peng (Nanjing University, China)
Making metals transparent for white light by surface plasmons

Jan Siegel (CSIC, Madrid, Spain)
BirthGrowth and Control of Laser-Induced Periodic Surface Structures resolved by Ultrafast Moving-Spot Microscop

Baerbel Rethfeld (Technical University Kaiserslautern, Germany)
Relaxation cascade of laser-excited nonequilibrium electrons in solids

Vidmantas Gulbinas (Center for Physical Sciences and Technology, Vilnius, Lithuania)
Optical probing of charge carrier motion dynamics in disordered, heterogeneous organic and hybrid materials

Gert-Willem Römer (University of Twente, The Netherlands)
Laser-induced Forward Transfer (LIFT) of 3D micro-structures

Jean-Philippe Colombier (Hubert Curien laboratory, University of St Etienne, France)
Ultrafast Laser-Induced Surface and Bulk Nanostructuring: Similarities Revealed by Electromagnetic Modeling

Speakers list is updating, the latest information on icpepa11.com/speakers