



The topics range from fundamental laser-material interactions, theory and modeling to applications with nanoparticles and nanophotonics as well as photoexcitations. The conference intends to create an atmosphere for scientific presentations at the forefront of the field and an informal exchange of ideas in a relaxing environment. Peer-reviewed papers submitted at the conference will be published in a Special Issue of an international Journal.

ICPEPA TOPICS

- Theoretical approach, simulation and modeling of photoexcited processes
- Fundamental phenomena of laser-matter interactions
- Dynamics and diagnostics of photoexcited processes
- Ultrafast Phenomena in chemical processes
- Photoexcited chemical processes
- Photo/laser-induced desorption from surfaces
- Resonant and non-resonant processes in photo/laser-induced materials processing
- Deposition and coating of thin films, multilayers, and nanostructured materials
- Synthesis of nanomaterials
- Photo/laser-induced nanoscale processing
- Plasmon-enhanced photon/laser processing
- Cutting, drilling, surface patterning and micromachining
- Surface modification including crystallization, amorphization, phase transformation, and doping
- Surface nanostructuring and nanoripple formation
- Volume and 3D internal processing
- 3D additive manufacturing
- Manipulated/shaped beam processing
- Ultrahigh-power laser applications
- Interactions with organic and biomaterials and applications including MALDI and laser microprobe mass analysis
- Lasers in nanobiomedicine
- Photon sources and laser systems for photo-excited processes
- Photocatalysis

ORGANIZATION

Conference chairs:

- Ion N. Mihailescu, INFILPR, Bucharest, Romania
- Ioan Vasile Abrudan, Universitatea "Transilvania" Brasov, Romania

Steering Panel

- Chunlei Guo, University of Rochester, USA
- Peter Hess, University of Heidelberg, Germany
- Aaron Peled, Holon Inst. of Technol., Israel
- Jørgen Schou, Technical University of Denmark, Denmark
- Koji Sugioka, RIKEN, Japan
- Yasuyuki Tsuboi, Osaka City University, Japan
- Leonid Zhigilei, University of Virginia, USA

History of ICPEPA International conferences

- ICPEPA-1: 1993 Sendai, Japan
- ICPEPA-2: 1995 Jerusalem, Israel
- ICPEPA-3: 1999 Strasbourg, France
- ICPEPA-4: 2004 Lecce, Italy
- ICPEPA-5: 2006 Charlottesville, USA
- ICPEPA-6: 2008 Sapporo, Japan
- ICPEPA-7: 2010 Copenhagen, Denmark
- ICPEPA-8: 2012 Rochester, USA
- ICPEPA-9: 2014 Matsue, Japan

ICPEPA-10 ABSTRACT DEADLINE: May 9, 2016 ; Registration:

Early Bird Deadline: July 1st, 2016
 Regular Early bird: 400 EUR
 Student Early bird: 300 EUR
 After deadline: Regular: 500 EUR
 Student: 350 EUR



The registration fee includes: the abstract book, lunches, coffee breaks, social events (dinner, excursion)



VENUE

“Sergiu T. Chiriacescu” Aula of the “Transilvania” University, 41A Iuliu Maniu Street, Brasov, Romania

Access to Brasov

The trip between Bucharest Airport and Brasov takes about 3 hours and will be organized by bus. There is also train connection.

The city of **BRASOV** is located in the center of Romania, about 180 km north of Bucharest. It is an international resort, and well situated touristic city in Romania. Brasov, an old medieval city, gives you the opportunity to visit many old historical monuments and museums that reflect the cultural as well as other touristic important sites in the neighborhood. The biggest attraction in town is the Gothic Protestant Church built between 1385 and 1477. It is known as the name of the "**Black Church**" because of its smoke-blackened walls after a fire in 1689.



Situated at 30 Km from Brasov, **Dracula's Castle** is a national monument and landmark of the Romanian tourism, due not only to the beauty of the Castle and the landscape but also related to the legend of Count Dracula.

Poiana Brasov is also a favorite touristic destination

in Romania, only 13 km far from Brasov.

Located in Sinaia (at 44 km from Brasov), the **Peles Castle** is considered as one of the most beautiful castles in Europe.

Recommended hotels (1 -21 minute walk from the conference venue):

Hotel City Center www.hotelcitycenter.ro, Hotel Ambient www.hotelambient.ro,
Hotel Armatti [http://www.armatti.ro/](http://www.armatti.ro), Hotel Aro Palace <http://www.aro-palace.ro/>,
Hotel Bella Musica <http://bellamuzica.ro/>, Hotel Reiner <http://hotelrainer.ro/>

ADMINISTRATIVE CONTACT: icpepa10@gmail.com

Please visit <http://icpepa10.com> for details regarding the conference

