

## Conference Chairs

G. Dinescu, Bucharest, Romania  
G. Popa, Iasi, Romania

## International Scientific Committee

H. Biederman, Praga, Czech Republic  
A. Bogaerts, Antwerpen, Belgium  
M. Braic, Bucharest, Romania  
N. Dumitrascu, Iasi, Romania  
M. Echim, Brussels, Belgium  
P. Favia, Bari, Italy  
A. Granier, Nantes, France  
C. Grisolia, Cadarache, France  
H. Kersten, Kiel, Germany  
L. Kravets, Dubna, Russia  
C. Leys, Ghent, Belgium  
D. Luca, Iasi, Romania  
D. Maric, Belgrade, Serbia  
T. Minea, Orsay, France  
M. Mozetic, Ljubljana, Slovenia  
M. Mutlu, Ankara, Turkey  
C. Oehr, Stuttgart, Germany  
K. Okazaki, Tokyo, Japan  
J. Pedarnig, Linz, Austria  
M.C.M. van de Sanden, Nieuwegein, The Netherlands  
D.C. Schram, Eindhoven, The Netherlands  
R. Schrittwieser, Innsbruck, Austria  
E. Stamate, Roskilde, Denmark  
M. Vlad, Bucharest, Romania

## Local Organizing Committee

S.D. Anghel, Cluj-Napoca  
M. Bazavan, Bucharest  
G. Borcia, Iasi  
V. Braic, Bucharest  
C. Costin, Iasi  
V. Covlea, Bucharest  
F. Spineanu, Bucharest  
M. Cristea, Bucharest  
E. Grigore, Bucharest

A. Lazea-Stoyanova, Bucharest  
C. P. Lungu, Bucharest  
M. Magureanu, Bucharest  
I. Mihaila, Iasi  
I. Morjan, Bucharest  
M. Nistor, Bucharest  
M. Osiac, Craiova  
L. Sirghi, Iasi  
A. Surmeian, Bucharest  
C.M. Ticos, Bucharest  
S. Vizireanu, Bucharest  
R. Vladoiu, Constanta  
G. Voitcu, Bucharest

## Scientific Secretariat

B. Mitu, Bucharest  
I. Topala, Iasi

*The abstracts* should be uploaded using the conference website:

<http://cppa2013.inflpr.ro>

In cases of upload failing we can accept abstracts submitted via *e-mail* to: [cppa2013@infim.ro](mailto:cppa2013@infim.ro)

The authors who would like to receive the Second Announcement (including the Conference Program) and up-to-date information are kindly invited to register on the conference website.

## Organizers

- National Institute for Laser, Plasma and Radiation Physics, Bucharest, Romania;
- Alexandru Ioan Cuza University, Iasi, Romania;
- Romanian Physical Society.

## Sponsoring Organizations

- National Authority for Scientific Research, Romania;
- National Institute for Laser, Plasma and Radiation Physics, Romania;
- Romanian Physical Society;
- Others, to be announced.

## First Announcement and Call for Papers

### 16<sup>th</sup> INTERNATIONAL CONFERENCE ON PLASMA PHYSICS AND APPLICATIONS

16<sup>th</sup> CPPA 2013  
June 20-25, Magurele, Bucharest  
ROMANIA



## Important dates

March 30, 2013	Abstract due date
April 15, 2013	Notification of abstract acceptance
April 30, 2013	Second Announcement
May 20, 2013	Advanced Registration Fee
June 10, 2013	Final programme
<b>June 20-25, 2013</b>	<b>Conference</b>
July 15, 2013	Manuscript due date

Conference webpage: <http://cppa2013.inflpr.ro>

## General Information

The Conference on Plasma Physics and Applications reached its 16th edition, following a longtime tradition developed by the Romanian plasma community. It focuses on the recent developments and advances in plasma fundamentals and applications, envisaging the cooperation with international community. The organizers of 16<sup>th</sup> edition of CPPA will provide an appropriate frame for discussions and establishing of contacts. Leading scientists are invited to give lectures outlining the latest achievements in their field of research.

### Preliminary list of conference topics

1. **Fundamental processes in plasmas, space plasmas, modeling and simulation;**
2. **Gas discharge physics, plasma diagnostics, sources and reactors at low and atmospheric pressure;**
3. **Dusty plasmas, charged particles and beams;**
4. **Plasma processing, deposition, etching, and treatment;**
5. **Biomedical and environmental applications of plasmas, plasmas in liquids;**
6. **Application of plasmas in nanoscience and nanotechnology;**
7. **Fusion plasma physics and technology;**
8. **Laser plasmas and their applications.**

Any contribution on plasma physics and applications is welcomed.

### Venue

The Conference will be held in Magurele Campus of Physics which is the main research centre in Romania, with 9 research institutes, Physics Faculty of the University of Bucharest, and the National Physics Library. It is located about 12 km from the center of Bucharest, reachable by public transportation.

### Accommodation

Accommodation will be available both in Bucharest and Magurele in 2, 3 and 4 stars hotels. Expected costs are between 30 € and 120 €, depending on the room types. A limited

number of basic rooms will be available for students in Magurele campus.

### Passport and visa

Citizens having passports issued by certain countries may need a visa to enter Romania (please check on <http://www.mae.ro/en>). If you need assistance to obtain visa, please contact the Scientific Secretariat or the Local Organizing Committee.

### Social Programme

Bucharest is the capital of Romania, a city with rich history and interesting monuments. There are many possibilities for spending your free time in the old city, such as visiting museums, or having a traditional dish in the local restaurants, etc. The Sunday of June 23 is devoted to an excursion outside Bucharest, and will end with the Conference Dinner.

### Associated Events

- EURATOM – MedC Association Days 2013
- Exhibition presenting research achievements and innovations based on plasma technologies developed in Romania
- Industrial exhibition with research equipments (from sponsoring companies)
- Visits of laboratories from the National Institute for Laser, Plasma and Radiation Physics

### Registration Fees

	Before May 20	After May 20
Regular	200 €	250 €
Student*	120 €	150 €
Accompanying person**	120 €	

\*Students have to give evidence for University registration.

\*\*Includes Welcome reception, refreshments during coffee breaks, excursion & conference dinner.

### Programme

The Conference will combine:

- *Plenary* sessions with invited and oral presentations

- *Poster* sessions
- *Young scientist's* awards.

### Abstract submission

Authors are invited to submit their contributions using the online submission system which can be found on the conference webpage.

The abstracts must be written in English, using MS Word, and should not exceed one A4 page. The abstract body should contain at least 1500 characters, including spaces.

Use A4 format paper of the page (29.7 cm width x 21 cm height); allow 2.5 cm margins on top and bottom, and 3.5 cm margins for left and right. The abstract should be written by using Times New Roman font at single line spacing. Type the **Title** (Times 14, bold, centered) followed by one empty line and the authors' name (Times 12, normal, centered) and their *affiliation, address for communication, email address* (Times 11, Italic, centered). The presenting author should be underlined. Leave two empty lines and proceed with the main text (Times, 11, justified left and right). The abstracts should outline the performed work, methodology and results. At the end of abstract, provide a list of 3-5 relevant keywords.

Please suggest a classification of your contribution according to the listed main topics and indicate whether you prefer an oral or a poster presentation.

Both \*.doc and \*.pdf files should be uploaded.

An abstract template is available for download on the conference website.

The deadline for abstracts submission is March 30, 2013. The abstracts will be reviewed by the scientific committee. The presenting author will be notified of acceptance or rejection of his/her abstract around April 15, 2013.

The full manuscripts due date is July 15, 2013. The accepted papers will be published in a Journal, to be communicated.

### Language

The official language of the Conference is English