



## Second Announcement

# 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 25, 2013	Notification of abstract acceptance
May 2, 2013	Second Announcement
<b>May 20, 2013</b>	<b>Advanced Registration Fee</b>
June 10, 2013	Final programme
<b>June 20-25, 2013</b>	<b>Conference</b>
July 15, 2013	Manuscript due date

### General Information

The International Scientific Committee and the Local Organizing Committee are pleased to invite you to participate to the 16<sup>th</sup> edition of the Conference on Plasma Physics and Applications, to be held in Magurele, Bucharest, in the period 20 – 25 June 2013. It became a traditional event which focuses on developments and advances in plasma fundamentals and applications, gathering participants from the international plasma community and from Romania.

This edition of the Conference will be held in Magurele Campus of Physics, namely in the Conference Hall of National Institute of Physics and Nuclear Engineering - IFIN HH.

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

### Joint Events

- EURATOM – MEdC Association Days 2013;
- Exhibition presenting achievements and innovations based on plasma technologies;
- Visits of laboratories at National Institute for Laser, Plasma and Radiation Physics.

### Organizers

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

### **Conference Chairs**

G. Dinescu, Bucharest, Romania

G. Popa, Iasi, Romania

### **International Scientific Committee**

H. Biederman, Prague, Czech Republic

M. Braic, Bucharest, Romania

M. Echim, Brussels, Belgium

A. Granier, Nantes, France

H. Kersten, Kiel, Germany

C. Leys, Ghent, Belgium

D. Maric, Belgrade, Serbia

M. Mozetic, Ljubljana, Slovenia

C. Oehr, Stuttgart, Germany

J. Pedarnig, Linz, Austria

D.C. Schram, Eindhoven, The Netherlands

E. Stamate, Roskilde, Denmark

A. Bogaerts, Antwerp, Belgium

N. Dumitrascu, Iasi, Romania

P. Favia, Bari, Italy

C. Grisolia, Cadarache, France

L. Kravets, Dubna, Russia

D. Luca, Iasi, Romania

T. Minea, Orsay, France

M. Mutlu, Ankara, Turkey

K. Okazaki, Tokyo, Japan

M.C.M. van de Sanden, Nieuwegein, The Netherlands

R. Schrittwieser, Innsbruck, Austria

M. Vlad, Bucharest, Romania

### **Local Organizing Committee**

S.D. Anghel, Babes – Bolyai University, Cluj-Napoca

G. Borcia, Alexandru Ioan Cuza University, Iasi

C. Costin, Alexandru Ioan Cuza University, Iasi

F. Spineanu, NILPRP, Bucharest

E. Grigore, NILPRP, Bucharest

C. P. Lungu, NILPRP, Bucharest

I. Mihaila, Alexandru Ioan Cuza University, Iasi

M. Nistor, NILPRP, Bucharest

L. Sirghi, Alexandru Ioan Cuza University, Iasi

C.M. Ticos, NILPRP, Bucharest

R. Vladoiu, Ovidius University, Constanta

M. Bazavan, University of Bucharest, Bucharest

V. Braic, Nat. Inst. Optoelectronics, Bucharest

V. Covlea, University of Bucharest, Bucharest

M. Cristea, University Polytechnica of Bucharest

A. Lazea-Stoyanova, NILPRP, Bucharest

M. Magureanu, NILPRP, Bucharest

I. Morjan, NILPRP, Bucharest

M. Osiac, University of Craiova, Craiova

A. Surmeian, NILPRP, Bucharest

S. Vizireanu, NILPRP, Bucharest

G. Voitcu, NILPRP – ISS, Bucharest

### **Scientific Secretariat**

B. Mitu, Bucharest

I. Topala, Iasi

Please contact us at: [cppa2013@infim.ro](mailto:cppa2013@infim.ro)

### 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.

### Invited speakers

1. Thierry Belmonte, Nancy, France  
*Plasmas in dielectric liquids: a simple process with complex physics to synthesize nanoparticle.*
2. Sadruddin Benkadda, Marseille, France  
*To be confirmed*
3. Peter Bruggeman, Eindhoven, The Netherlands  
*In situ measurements of radical and reactive species densities in non-equilibrium atmospheric pressure plasmas jets.*
4. Cristian Focsa, Lille, France  
*Two-temperature plasmas generated by femtosecond laser ablation of metallic targets*
5. Maik Froehlich, Kiel, Germany  
*Diagnostic of energy fluxes during plasma surface treatment.*
6. Vasco Guerra, Lisboa, Portugal  
*Low-pressure nitrogen afterglows with oxygen addition.*
7. Ana Lacoste, Grenoble, France  
*Elementary microwave plasma sources with extended operating parameters: concept, design and performance. Examples of applications in the very low and low pressure range.*
8. Chantal Leborgne, Orléans, France  
*Plasma-based growth and functionalization of CNT- from first steps to technological applications.*
9. Daniel Schram, Eindhoven, The Netherlands  
*On the role of surface processes and dust in plasma processing and in astro-chemistry.*
10. Francisco Tabares, Madrid, Spain  
*Liquid Metals as Plasma Facing Materials in a Fusion Reactor. Status and Perspectives*
11. Madalina Vlad, Bucharest, Romania  
*Evolution of plasma turbulence beyond the quasilinear stage;  
Status and perspectives of the Romanian contribution to the European fusion research*

### Program

The Conference will combine *plenary* sessions with invited and oral presentations, one *poster* session, and a special session dedicated to EURATOM - MEdC Association Days 2013.

*Young scientist* prizes will be awarded.

The Final program will be distributed to the participants on 10 June 2013.

## Publication of contributions

The papers will be published upon regular refereeing processing in one of the following journals, in accordance to their topics:

1. Conference contributions in the field of “Plasma processing for nanostructured materials and interfaces” will be included, in a Topical Issue of the Digest Journal of Nanomaterials and Biostructures (open access, ISI impact factor in 2012 of 1.200).

Information regarding the requirements to be fulfilled is available on the journal webpage: <http://www.chalcogen.infim.ro/Instr.DJNB.pdf>;

2. Conference contributions in other fields of plasma physics and applications will be submitted for publication in the Journals of the Romanian Academy (also ISI ranked).

Information is available on the journal webpages: <http://www.rrp.infim.ro/>; <http://www.nipne.ro/rjp/>

The editors will decide which of the above mentioned journal is more suitable for publishing each submission.

***Maximum two papers can be submitted for publication per one registered participant.***

The papers should be uploaded using the link provided on the conference website:

**<http://cppa2013.inflpr.ro>**

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

**Paper submission deadline: July 15<sup>th</sup>, 2013**

Please note that the papers submitted after the deadline will not be accepted.

## Registration

Registration will be done by filling in the **Registration form** available on the conference website and sending it to [cppa2013@infim.ro](mailto:cppa2013@infim.ro). The registration fees are as follows:

	Early registration (before May 20)		Late registration (after May 20)	
	EUR	RON	EUR	RON
Currency	EUR	RON	EUR	RON
Regular	200	880	250	1100
Student*	120	520	150	660
Accompanying person**	120	520	120	520

\*Students have to give evidence for University registration.

\*\*Includes Welcome reception, excursion & conference dinner.

The registration fee includes conference participation, conference program and Book of Abstracts, the Welcome reception, Excursion and Conference Dinner.

### ***Bank details for payment:***

Account holder: Institutul National pentru Fizica Laserilor, Plasmei si Radiatiilor – INFLPR (National Institute for Laser, Plasma and Radiation Physics - NILPRP)

Bank: Banca Comerciala Romana, Sucursala Unirii

Swift code: RNCBROBU

Address: 43-45 Blv. Unirii, Bucharest

Account:

IBAN: RO54RNCB0082044172650078 (EUR)

IBAN: RO59RNCB0082044172650182 (RON)

The registration fee can also be paid cash at the Registration Desk.

Please mention on the payment orders the full name(s) of the registered participant(s). All the banking cost must be paid by the participants. Any bank charges to conference organizers accounts will be asked for reimbursement at the conference venue. A copy of the bank transfer should be sent by email to [cppa2013@infim.ro](mailto:cppa2013@infim.ro) before May 20<sup>th</sup> 2013 (early registration) or after that date (late registration).

Upon payment, you will receive a confirmation of your registration by electronic e-mail.

## Cancellation and refund

The participants who have paid the registration fee but cannot attend the conference will be charged with a cancellation fee of 30 EUR (130 RON) if they inform the Conference Secretariat before 14<sup>th</sup> of June; no refund is possible after that date. Nevertheless, the registered persons encountering such a situation will receive all the conference documents.

## Accommodation

The Local Organizing Committee has negotiated special rates with several hotels, for a limited number of rooms. Please note that the requests for accommodation are considered in order of receipt, therefore early booking is highly recommended.

Hotel, address and contact	Single	Double
Europa Royale Bucharest, 4* 60 Franceza Str., Bucharest Sm.bucharest@europaroyale.com	58 EUR	64 EUR
Bucharest Comfort Suites, 4* 16 Nicolae Balcescu Blv., Bucharest office@comfort-suites.ro Attn: M. Zamfir	39 EUR	49 EUR
Magurele Hotel, 2* 250A Atomistilor Str., Magurele rezervari@hotelmagurele.ro	25 EUR/ 108 RON	29 EUR/ 127 RON

All the prices include breakfast, VAT and all taxes. Reservations should be made individually, before 1<sup>st</sup> of June 2013, specifying on your request the event "CPPA 2013". For all the reservations, please use in cc also [cppa2013@infim.ro](mailto:cppa2013@infim.ro), in order to have an overview of the actual number of rooms offered by each hotel.

## 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. A list of cultural events happening during the Conference days will be available on the conference website on 10 June 2013.

A Welcome reception will be organized in the afternoon of Thursday 20 of June.

The Sunday 23<sup>rd</sup> of June is devoted to an excursion to the salt mine at Slanic Prahova and to the Mud Volcanoes near Berca, Buzau. The Conference dinner will be organized on Sunday evening.

## 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>). For assistance to obtain visa, please contact as soon as possible the Scientific Secretariat ([cppa2013@infim.ro](mailto:cppa2013@infim.ro)) in order to send you an official invitation letter.

## Sponsorship



National Authority for Scientific  
Research, Romania



National Institute for Laser,  
Plasma and Radiation Physics,  
Romania



Romanian Physical Society



Hidden Analytical LTD, UK



Histeresis SRL, Romania



Kurt J. Lesker Co Ltd, UK