



Second Announcement

17th INTERNATIONAL CONFERENCE ON PLASMA PHYSICS AND APPLICATIONS

&

1st Workshop on Plasma Coatings for Medical Applications

17th CPPA 2017

June 15-20, Magurele, Bucharest, ROMANIA



Important dates

April 10, 2017	Abstracts due date
May 8, 2017	Notification of abstracts acceptance
May 15, 2017	Second Announcement
May 29, 2017	Reduced Registration Fee
June 1, 2017	Late abstracts submission (poster only)
June 6, 2017	Final programme
June 15-20, 2017	Conference
July 17, 2017	Manuscript due date

General information

The Conference on Plasma Physics and Applications, traditionally organized by the Romanian plasma community, reached its 17th edition. It focuses on the recent advances in plasma fundamentals and applications. In addition, the present edition will include a special workshop dedicated to biomedical applications of plasmas. The organizers of CPPA 2017 aim to provide conditions for fruitful scientific discussions and establishing contacts. Leading scientists are invited to give lectures outlining the latest achievements in their field of research. PhD students and young researchers are welcomed.

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://cppa2017.inflpr.ro>

Joint Events

- 1st Workshop on Plasma Coatings for Medical Applications, organized co-jointly with University of Ghent, Belgium
- Exhibition presenting research achievements and innovations based on plasma technologies developed in Romania, as well as industrial exhibition.
- Visits of the laboratories of National Institute for Lasers, Plasma and Radiation Physics.

Organizers

- National Institute for Lasers, Plasma and Radiation Physics, Bucharest, Romania (NILPRP)
- “Alexandru Ioan Cuza” University of Iasi, Romania
- Romanian Physical Society

Conference Chairs

G. Dinescu, Bucharest, Romania

G. Popa, Iasi, Romania

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Scientific Secretariat

C. Costin, Iasi











S.D. Stoica, Bucharest

Please contact us at: cppa2017@infim.ro

Conference topics

- T1. Fundamental processes in plasmas, modeling and simulation, space plasmas
- T2. Gas discharge physics and plasma diagnostics
- T3. Plasma sources and reactors at low and atmospheric pressure, dusty plasma
- T4. Plasma processing, surface modification, deposition, etching
- T5. Biological and medical applications of plasmas, plasmas in liquids
- T6. Application of plasmas in nanoscience and nanotechnology
- T7. Fusion plasma physics and technology, laser plasmas and their applications

Invited speakers

-  **David Duday**, Luxembourg Institute of Science and Technology, Luxembourg (LU)
Antibacterial activity of cold atmospheric plasma jets and novel drug-loaded nanoparticles embedded in scaffolds or patches
-  **Matteo Gherardi**, Universita di Bologna, Bologna (IT)
Deposition of polymeric films and co-deposition of nanocomposite coatings by means of a cold atmospheric pressure plasma jet
-  **Gérard Henrion**, Institut Jean Lamour, Nancy (FR)
Plasma electrolytic oxidation: stakes and limits
-  **Ondrej Kylian**, Charles University, Prague (CZ)
Low-pressure plasma synthesis of nanomaterials
-  **Bogdana Mitu**, NILPRP, Magurele-Bucharest (RO)
Process diagnostics during nanocarbon growth by RF plasma jet
-  **Anton Nikiforov**, Ghent University, Ghent (BE)
Plasma deposition of antibacterial coatings
-  **Nevena Puač**, Institute of Physics, Belgrade (RS)
Time resolved optical spectroscopy of high frequency atmospheric pressure plasma jets
-  **Jerome Pulpytel**, Pierre and Marie Curie University, Paris (FR)
Bonding of composite materials by means of atmospheric plasma jet
-  **M.C.M. van de Sanden**, DIFFER-Dutch Institute for Fundamental Energy Research, Eindhoven (NL)
Plasma non-equilibrium at work: key to success of energy technologies?
-  **James Walsh**, University of Liverpool, Liverpool (UK)
Plasma biofilm decontamination: What happens to the underlying surface?

Programme

The Conference will combine *plenary* sessions with invited and oral presentations, two *poster* sessions, and a special session dedicated to the Workshop on Plasma Coatings for Medical Applications.

Young scientist prizes will be awarded.

The Final Announcement and the Conference programme will be distributed to the participants on June 5th, 2017.

Publication of contributions

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

- Romanian Journal of Physics (<http://www.nipne.ro/rjp/>, latest reported ISI impact factor (2015): 1.398)

- Romanian Reports in Physics (<http://www.rrp.infim.ro/>, latest reported ISI impact factor (2015): 1.367)
- Journal of Optoelectronics and Advanced Materials (<https://joam.inoe.ro/index.php>, latest reported ISI impact factor (2015): 0.383).

Instructions for authors can be found at each journal webpage address. Manuscripts accepted after the normal reviewing process will be published in the respective journals. The papers should be uploaded using the EasyChair account created for conference abstract submission. In cases of uploading failing, we can accept, as well, papers submitted via e-mail to: cppa2017@infim.ro.

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

Paper submission deadline: July 17th, 2017.

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 cppa2017@infim.ro. In a few days after we receive your registration form, a corresponding invoice will be sent to you.

Registration Fees for participations are as follows:

	Early registration (before May 29)		Late registration (after May 29)	
Currency	EUR	RON	EUR	RON
Regular	300	1350	325	1463
Student*	125	675	175	788
Accompanying person**	100	450	100	450

*Students have to give evidence for University registration

**Includes Welcome reception, excursion & conference dinner

The registration fee includes conference participation and coffee breaks, conference program and Book of Abstracts, as well as social events (welcome reception, excursion and conference dinner).

Bank details for payment:

Account holder: National Institute for Lasers, Plasma and Radiation Physics

Address: Atomistilor str. 409, Magurele, Ilfov, Romania

CUI/VAT Number: 9052135

Bank: BCR S.A., Branch Office Unirea

Bank address: Unirii Boulevard, 43-45, Bucharest, Romania

IBAN: RO54RNCB0082044172650078 (EUR)

IBAN: RO59RNCB0082044172650182 (RON)

SWIFT: RNCBROBU

The registration fee can also be paid at the Registration Desk in cash (both EUR and RON are accepted).

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 cppa2017@infim.ro before May 29th 2017 (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

Participants who have paid the registration fee but cannot attend the conference will be charged with a cancellation fee of 30 € (135 RON) if they inform the Conference Secretariat before 10th 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.

All the prices include breakfast, VAT and all taxes. Reservations should be made individually, before 1st of June 2017, specifying on your request the

event "CPPA 2017". For all the reservations, please use in CC also [cpga2017@infim.ro](mailto:cppa2017@infim.ro) in order to have an overview of the actual number of rooms offered by each hotel.

Disclaimer: the hotel prices have been negotiated and are normally below the standard rate. However, it is possible that you find better prices directly in the hotel webpages and/or hotel booking sites, as a result of promotions. Attendees are free to choose their accommodation elsewhere, making direct reservations in other hotels.

Hotel, address and contact	Single/ night	Double/ night
Europa Royale Bucharest, 4* 60 Franceza Str., Bucharest Sm.bucharest@europaroyale.com web: http://www.europaroyalebucharest.com/	85	105
Bucharest Comfort Suites, 4* 16 Nicolae Balcescu Blv., Bucharest marketing@comfort-suites.ro web: www.comfort-suites.ro	75	85
IBIS Palatul Parlamentului City Centre, 3* 82-84 Izvor Str., Bucharest, Romania H5938-SL@accor.com web: http://www.ibishotels.ro/hotel-ibis-bucuresti-palatul-parlamentului	45	

How to reach the conference site

- From Henri Coanda airport to the hotels (old city center) by taxi or Express Bus 783
- From hotels to conference place: a bus will be provided by conference organizers.

More details will be found on the conference website and in the Final Announcement.

Social Programme

Bucharest is the capital of Romania, a town with an old history and interesting monuments. There are many possibilities for spending your free time in the old city, visiting museums, etc. Free time is provided on Saturday afternoon for visiting the city by yourself.

- The Welcome reception will be organized Thursday, 15th of June in the afternoon, in a location close to the old city center, which will be communicated in due time.
- The Sunday, 18th of June is devoted to a full day trip to Prahova Valley. Visit will include Sinaia monastery (1695), the fabulous Peles Castle (a masterpiece of German new-Renaissance architecture, former summer residence of the Royal family), and a wine tasting moment at the Halewood winery.
- The conference dinner will take place on Sunday evening, in the Famous Romanian restaurant "Caru' cu Bere".

Passport and visa

Citizens having passports from 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 (cpga2017@infim.ro) in order to send you an official invitation letter.

Sponsorship

We are thankful to our sponsors for supporting the 17th CPPA Conference:



National Institute for Lasers,
Plasma and Radiation Physics,
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