



Second Announcement

14th INTERNATIONAL CONFERENCE ON PLASMA PHYSICS AND APPLICATIONS

14th CPPA 2007

September 14-18, Brasov, Romania



General Information

The Conference on Plasma Physics and Applications, held once two years in Romania, focuses on the recent developments and advances in plasma fundamentals and its applications. It became a traditional event gathering participants from the international plasma community and from Romania.

The Conference of this year will take place in the Transilvania University Aula, (Address: 41 A Iuliu Maniu Street, Brasov). The city of Brasov is located in the centre of Romania, about 180 km north of Bucharest. It takes about 3 hours drive from Bucharest International Airport to Brasov. Intercity trains and European roads are connecting Brasov to the major cities in Romania and Europe.

Conference webpage: <http://cppa2007.inflpr.ro>

Joint Events

- Management Committee Meeting and Workgroup Meeting of COST action P17 Electromagnetic Processing of Materials (12-13 September)
- Information Day on COST-ESF / FP7 European scientific research programs
- Exhibition of scientific instrumentation

Organizers

- National Institute for Laser, Plasma and Radiation Physics, Bucharest, Romania (NILPRP)
- University "A.I. Cuza", Iasi, Romania
- University "Transilvania" of Brasov, Romania

Sponsorship

- Ministry of Education and Research, Romania
- National Institute for Lasers, Plasma and Radiation Physics
- Ocean Optics Bv., The Netherlands
- ABL&E- JASCO Romania
- Journal "Plasma Processes and Polymers", Wiley-VCH

Conference Chairs

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

International Scientific Committee

- Yu. Akishev, Troitsk, Russia
- H. Biederman, Prague, Czech Republic
- J. Bretagne, Orsay, France
- C. B. Cizmas, Brasov, Romania
- R. d'Agostino, Bari, Italy
- W.J. Goedheer, Nieuwegein, The Netherlands
- D. Hegemann, St. Gallen, Switzerland
- Th. Ionescu Bujor, Bucharest, Romania
- I. Iova, Bucharest, Romania
- M. Kando, Shizuoka, Japan
- S. Kuhn, Innsbruck, Austria
- J.K. Lee, South Korea
- D. Luca, Iasi, Romania
- J.M. Martin Martinez, Alicante, Spain
- T. Minea, Paris-Sud, Orsay, France
- G. Musa, Constanta, Romania
- M. Mutlu, Ankara, Turkey
- C. Oehr, Stuttgart, Germany
- K. Okazaki, Tokyo, Japan
- I.I. Popescu, Bucharest, Romania
- M.C.M. van de Sanden, Eindhoven, The Netherlands
- M. Sanduloviciu, Iasi, Romania
- D.C. Schram, Eindhoven, The Netherlands
- R. Schrittwieser, Innsbruck, Austria
- Y. Segui, Toulouse, France
- E. Stamate, Roskilde, Denmark
- T. Tudor, Bucharest, Romania
- A. Vanhulsel, Mol, Belgium
- M. Wertheimer, Montreal, Canada

Local Organizing Committee

D. Alexandroaie, Iasi
S.D. Anghel, Cluj
C. Atanasiu, Bucharest
L. Biborosch, Iasi
A. Boer, Brasov
G. Borcia, Iasi
V. Braic, Bucharest
N. Cretu, Brasov
D. C. Dumitras, Bucharest
N. Dumitrascu, Iasi
C. P. Lungu, Bucharest
R.V. Medianu, Bucharest
I. Morjan, Bucharest
M. Negrea, Craiova
D. Pavelescu, Bucharest
N. Pometescu, Craiova
C. Ruset, Bucharest
I. Rusu, Iasi
G. Ruxanda, Ploiesti
F. Spineanu, Bucharest
M. Toma, Iasi
R. Vladoiu, Constanta
V. Zoita, Bucharest

Scientific Secretariat

C. Costin, Iasi
L. Florian, Brasov
B. Mitu, Bucharest

Conference topics

- Fundamental processes in plasmas, modeling and simulation
- Gas discharge physics, plasma sources and reactors at low and atmospheric pressure
- Plasma diagnostics and plasma-surface interactions
- Plasma processing (deposition, etching and treatment)
- Biological and environmental applications of plasmas
- Application of plasmas in nanoscience and nanotechnology
- Fusion plasma physics and technology
- Laser plasmas and their applications

Programme

The Conference will combine *plenary* sessions with invited and oral presentations, one *poster* session, and one Info event regarding the European Research Programmes.

A *Young scientist* prize will be awarded.

Invited speakers

Riccardo d'Agostino, Bari, Italy, *Driving Cells in Micro- and Nano-patterned Polymers by Cold Plasma Technology*
Yury Akishev, Troitsk, Russia, *Self-running low-frequency pulsed regime of DC electric discharge in gas bubble inserted in narrow tube with a liquid*
Jean Bretagne, Orsay, France, *Particle Simulation of the D- neutralisation for ITER high density neutral beam production*
Christian Grisolia, CEA, France, *Fusion research, ITER and its perspectives*
Siegbert Kuhn, Innsbruck, Austria, *Recent advances in the understanding of the magnetized plasma-wall transition (MPWT)*
Christian Oehr, Stuttgart, Germany, *Thin Plasma Polymerized Films for Biomedical Application*
Ken Okazaki, Tokyo, Japan, *Application of Atmospheric Pressure Non-Equilibrium Plasma to Nanomaterials Processing*
Anne- Marie Pointu, Orsay, France, *Active species in N₂-O₂ flowing afterglows at atmospheric pressure for decontamination*
Gheorghe Popa, Iasi, Romania, *Blood-polymer materials interface controlled by plasma treatment*
Eric Robert, Orléans, France, *Study and optimization of mercury free fluorescent signs*
M.C.M. van de Sanden, Eindhoven, The Netherlands, *Advanced in situ diagnostics for probing plasma-surface interaction*
Jørgen Schou, Roskilde, Denmark, *Laser irradiation of hard and volatile solids: from laser-produced plasmas to film deposition*
Daan C. Schram, Eindhoven, The Netherlands, *Plasma processing and the importance of surface molecule generation*
Eugen Stamate, Roskilde, Denmark, *Ion kinetics in a three-dimensional sheath during plasma immersion ion implantation*
Piotr Swiatek, ESF COST Office, Brussels, Belgium, *Opportunities for international cooperation in science and technology research with support from COST*

Registration Fee

Currency	EUR	LEI
Regular	250	875
Student*	120	420
Accompanying person**	100	350

*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. The registration fee does not include the accommodation and meals.

Please take note that maximum two papers can be submitted for publication per one registration fee.

The bank details for payment:

Name of the bank holder:

National Institute for Laser, Plasma and Radiation Physics

Account:

for EUR: RO48 RNCB 0082 0441 7265 0089

for LEI: RO75 RNCB 0082 0441 7265 0088

Bank Address:

Banca Comerciala Romana, Sucursala Unirii

Address: 43-45 B-dul Unirii, Bucharest

Swift: RNCB ROBU

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

Cancellation and refund

The participants who have paid the registration fee but can not attend the conference will be charged with a cancellation fee of 30 EUR if they announce the Local Organizing Committee before the Conference start (14th September); no refund is possible after the Conference starts, but the registered persons will receive all the conference documents.

Publication of contributions

The papers (limited to 4 pages for regular contributions and 6 pages for the invited ones) will be published in Journal of Optoelectronic and Advanced Materials (JOAM), according to the publishing rules of the Journal.

One full page of the Journal contains 60 rows in two columns with 116 characters/row (font size Times New Roman 10). The papers must be sent in a file named Contacting_author (followed by a number in case you submit more than one paper).doc; 3 - 5 Keywords must be specified. Every paper must have an abstract with maximum 100 words. The following structure of a paper is recommended: 1. Introduction; 2. Experimental (Theory, Modeling,...); 3. Results; 4. Discussion; 5. Conclusions, Acknowledgements Figures and Tables are recommended to be introduced in the text with their legends. References will be introduced in the text at the end of the paper in the following style:

[1] N. Rivier, Phil. Mag. 40, 859 (1979)

[2] N. F. Mott, E. A. Davis, Electron Processes in Non-Crystalline Materials, Clarendon Press, Oxford (1979).

More details can be found at:

<http://inoe.inoe.ro/joam/index.php?option=articles&cntid=19&itemID=1>

The papers should be sent via *e-mail* to:

Gheorghe Dinescu: dinescug@infim.ro

or cppa2007@infim.ro

Paper submission deadline: September, 17th, 2007

Accommodation

The Local Organizing Committee has been reserved at special prices a limited number of rooms to the Aro and Capitol Hotels. Please note that all requests for accommodation will be considered in order of receipt.

Hotel & address	Room type	Single	Double
Aro 27 Eroilor Bvd.	5*(new wing)	75€	90€
	4*(old wing)	52€	68€
Capitol 19 Eroilor Bvd.	3*	45€	48€

The hotels are located around 20 minutes walking from the Conference place and around 5 minutes from the historical centre.

A limited number of places in the Student House of University Transilvania Brasov are available for students. The prices are in the range 3-6 EURO/bed/night.

It is considered that the attendees who did not transmit to the Local Organizing Committee their preferences have managed themselves the accommodation.

The Organizing Committee intends to assist the participants with traveling from Bucharest Airport to Brasov and return. Please let us know in advance your travel schedule.

Passport and visa

Citizens having passport from certain countries may need a visa to enter Romania. If you need assistance to obtain visa, please contact the Scientific Secretariat or the Local Organizing Committee.

Social Programme

Brasov is a town with an old history, surrounded by a tourist area in the heart of the Carpathians Mountains. There are many possibilities for sightseeing, climbing, etc. The Sunday of September 16 is devoted to visit of the Peles Royal Palace in Sinaia and the Bran castle, known as Dracula castle.

Language

The official language of the Conference is English.

