

PBII&D 2013

The 12th International Workshop on Plasma-Based Ion Implantation and Deposition

Poitiers, France

July, 1-5 2013

VENUE

The PBII&D workshop will be held in the Futuroscope technopole, in the CNAM-IFMI building, 10 km in the North of Poitiers (France), within walking distance of the Futuroscope park. City of art and history, Poitiers is a picturesque town in west central France and is the capital of the Vienne département and of the Poitou-Charentes région.

Poitiers railway station offers several daily connections to Paris Montparnasse railway station or Roissy-Charles de Gaulle international airport by TGV. Direct connections by plane from Poitiers-Miard airport to few European cities are available.

The official hotel of PBII&D2013 is the Hotel Plaza Futuroscope*** situated at short walking distance from the PBII&D2013 conference building (CNAM-IFMI). Rooms with special rates are available in the Hotel Plaza Futuroscope*** and in the Hotel Resort Alteora***/** (see PBII&D2013 website).

INTERNATIONAL COMMITTEE

P. K. Chu, China; M. Bilek, Australia; N. Huang, China; S. Mandl, Germany; J. Pelletier, France; M. Ueda, Brazil; X.B.. Tian, China; R. H. Wei, USA; K. Yukimura, Japan

ORGANIZING COMMITTEE

Chairman: L. Pichon, P' Institute, Poitiers, France
G. Abadias, D. Babonneau, J.F. Barbot, M.F. Beaufort, T. Cabioch', C. Coupeau, M.L. David, M. Drouet, J.B. Dubois, E. Le Bourhis, V. Millet, F. Pailloux, J.P. Riviere, L. Simonot, C. Templier, C. Tromas - P' Institute.
T. Czerwicz, IJL, Nancy, France
C. Dublanche-Tixier, IPAM-SPCTS, Limoges, France
A. Lacoste, UJF-CRPMN-LPSC, Grenoble, France
J. Pelletier, UJF-CRPMN-LPSC, Grenoble, France
P.Y. Tessier, IMN, Nantes, France

REGISTRATION FEES

(Including workshop materials, lunches and outings)

Advanced registration (before May 15th, 2013)	EUR 440
Late registration (after May 15th, 2013)	EUR 510
Student fee - advanced registration	EUR 250
Student fee - late registration	EUR 300
Industrial exhibition	EUR 1000
Accompanying person (only outing and social events)	EUR 200

Student fellowship

Financial support may be proposed to PhD students to help them to participate to PBII&D2013. Please check regularly the application procedure in the PBII&D2013 website

Poster student award

Poster student awards with cash prize will be delivered to the best posters, as determined by the International Committee.

Industrial exhibition and sponsoring

Companies interested in participation at the industrial exhibition should contact PBII&D2013

CONTACT PBII&D 2013

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Web: <http://pbiid2013.sciencesconf.org>

Second announcement

12th international workshop

Plasma-Based Ion Implantation & Deposition

PBII&D 2013

Poitiers, France

July, 1-5 2013

<http://pbiid2013.sciencesconf.org>

Extended abstract submission deadline
February, 11th 2013

Organized by



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SCOPES OF PBII&D

Taking place every two years, the PBII&D workshop is the occasion to present latest scientific developments and detect future trends concerning plasma-based ion assisted surface treatments and thin film deposition. Related cross-disciplinary issues are intended to be studied as plasma physics (e.g. pulsed plasmas), ion-surface interactions, ion implantation, materials physics and induced properties, as well as technological and industrial developments in plasma sources and plasma based reactors related to PBII&D. Thanks to their limited cost operation and their applicability to large and complex surfaces, the versatile ion-assisted plasma-based processes allow the improvement of a wide variety of materials (metallic alloys, ceramics, semiconductors, DLC and polymers, biomaterials ...) including a very large range of applications (mechanical and wear resistances; electronics, optics, photovoltaics, chemical, biological functionalization and nano-structuration,...).

Dedicated to surface treatments and PVD /CVD coatings using ion irradiation/ implantation or (pulsed) plasma source/ assistance, the PBII&D2013 Workshop is organized to be a fruitful gathering, allowing the contact with international key researchers and stimulating new collaborations.

TOPICS

The topics proposed in PBII&D2013 include, but are not limited to:

- Plasma-Based Ion Assisted Deposition
- Plasma-Based Ion Implantation, Ion Beam Implantation and Surface Plasma Processing
- Pulsed Power Deposition (HiPIMS, ...)
- Ion Beam Assisted Deposition, Vacuum Arc & Hybrid Processes
- Plasma and Ion Sources, Pulsed Power and PBII Systems
- Plasma Diagnostics
- Ion-Surface Interaction
- Characterization of Surface Properties
- Simulation and Modeling / Fundamentals
- Nanostructures and Functional coatings
- Industrial Applications, Scaling Issues

PROCEEDINGS

Surface and Coatings Technology (Elsevier)



INVITED SPEAKERS

Prof. A. ANDERS, Lawrence Berkeley National Laboratory – USA

Prof. H. DONG, University of Birmingham – United Kingdom

Dr. C. FIGUEROA, Universidade de Caxias do Sul – Brazil

Dr. S. KONSTANTINIDIS, Université de Mons – Belgium

Prof. K. KOSTOV, Faculty of Engineering in Guaratinguetá, UNESP – Brazil

Prof. X. LIU, Shanghai Institute of Ceramics – China

Dr. D. MANOVA, Leibniz-Institut für Oberflächenmodifizierung – Germany

Dr. S. MUKHERJEE, Institute for Plasma Research, GIDC – India

Prof. L. REDONDO, Lisbon University–Portugal

Dr. Y. SPIEGEL, Ion Beam Services – France

Prof. X. TIAN, Harbin Institute of Technology – Harbin, China

IMPORTANT DATES AND DEADLINES

Extended abstract submission deadline
> February 11th, 2013

Notification of acceptance to authors
> March 1st, 2013

Registration reduced fees
> March 15th, 2013 - June 1st, 2013

Publication of programme
> June 1st, 2013