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3rd International Conference on Laser and Plasma Applications in Materials Science



LAPAMS 2015

(January 15-17, 2015 Kolkata, India)

Organized by



Indian Institute of Technology Kharagpur, Indian Institute of Technology Kanpur, Indian Institute of Metals Kolkata and Centre de Développement des Technologies Avancées, Algeria

About Conference

Laser and plasma offer unique scopes of processing of solids for a wide range of engineering applications starting conventional (melting, deposition/coating, joining, etc) to micro-fabrication (MEMS, NEMS, micro-channels/devices) or precision-manufacturing (machining, welding, surface engineering) of metals, ceramics, polymers and composites. Scientific exploitation of these techniques to ensure desired properties and performance of the components necessitates precise understanding and in-depth knowledge of the interaction behavior between the beam and matter leading to modification of composition and/or microstructure. IIT Kharagpur, IIT Kanpur, IIM Kolkata and CDTA Algeria have joined hands to organize LAPAMS 2015 during January 15-17, 2015 in Kolkata to promote application of plasma and laser for new and novel engineering applications. LAPAMS 2015 is the 3rd follow up event originally initiated as LAPAMS 2010 in Algeria during 27-30 November, 2010. LAPAMS 2015 promises close interaction among the experts and peers in this field drawn from academia, research organizations, industry and government agencies.

Conference Topics

Papers for oral and poster presentation are invited on the following topics and related fields:

Laser Assisted Material Processing

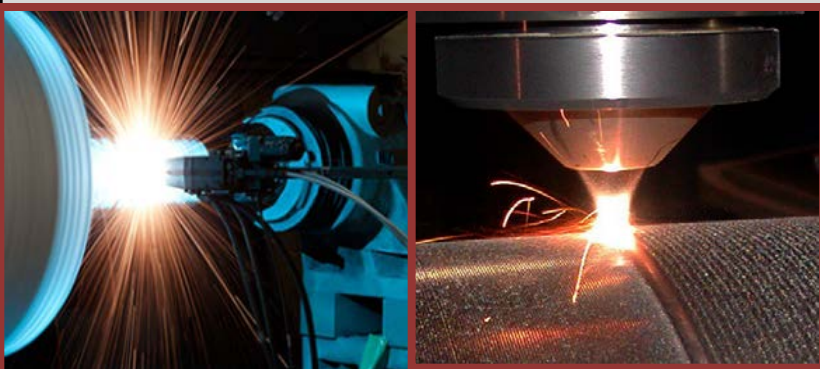
- Laser-matter interaction.
- Macro-fabrication (Laser welding, Laser machining, etc.).
- Surface engineering (pulsed laser deposition, laser surface engineering, laser cladding.
- Laser Surface Melting, Laser Surface Alloying etc..
- Micro-fabrication (Laser assisted texturing, patterning, etching, coloring, micro-machining, etc.).
- Nano-fabrication (Femto-second laser processing)

Electron-Beam Assisted Material Processing

- Electron beam assisted welding/joining
- Electron beam assisted surface engineering.

Plasma Assisted Material processing

- Plasma-matter interaction.
- Plasma assisted materials processing (plasma cutting, plasma welding, plasma deposition).
- Plasma based surface engineering (plasma spraying, plasma coating, plasma sputtering, etc).



Call Of Papers

Authors are requested to send an abstract with not more than 200 words on the listed conference topics to the email: lapams15@gmail.com on or before 20th October, 2014.

The details of abstract format available in the conference website: <http://www.lapams2015.in>

All abstract will be reviewed by the organizing committee and selected abstract will be notified in the conference website by 31st October, 2014.

Author will then have to submit the full paper by 15th November, 2014.

Proceeding

Selected papers will be published in the International Journal of Repute after reviewing. The journal details would be communicated shortly.

Kindly visit our conference website: <http://www.lapams2015.in>

Organizing Committee

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Dr. A. Weisheit, Fraunhofer Institute of Lasertechnik, Aachen	Dr. Gururaj Telasang, ARCI, Hyderabad

Registration Fee

Category	Registration Fee per person (For early Registration)	Registration Fee per person (For Late Registration)	Registration Fee for spouse
Indian delegates from Academia/R&D center/CSIR	Rs. 6000	Rs.7000	Rs.2000
Indian Delegates from Industry	Rs.10000	Rs.12000	Rs.2000
Indian Student participants	Rs. 2500	Rs.3000	Rs.2000
Foreign delegates from Academia/R&D	€600	€700	€200
Foreign Delegates from Industry	€1000	€1200	€200
Foreign Student	€250	€300	€200

Filled in registration form along with registration fee should be sent with a demand draft to the address given in the website. Registration fee can also be deposited through online transfer. Kindly visit our conference website: <http://www.lapams2015.in> for details.

Important Dates

- Abstract submission: 20th October, 2014
- Acceptance Notification: 31st October, 2014
- Full Paper Submission: 15th November, 2014
- Registration: 15th November, 2014

List of keynote speakers would be announced shortly.

Kindly visit our Conference website (<http://www.lapams2015.in>) for latest announcements.

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Accommodation

Comfortable Hotels and Guest Houses are available in and around Kolkata. Accommodation may be arranged upon request by the conference organizing committee in Hotels and Guest Houses in Kolkata. However, accommodation charges are to be borne by the delegates/participants.

