

# JOURNEES NATIONALES DES PROCEDES LASER POUR L'INDUSTRIE

THE INTERNATIONAL CONFERENCE ON INDUSTRIAL LASER PROCESSING IN FRANCE

28, 29 & 30.04.2015 - LA CITE - Centre des Congrès (NANTES - FRANCE)

## PRE PROGRAM

JNPLI  
2015



The 2015 international conference on industrial laser processing in France (JNPLI) will be held on 28, 29 and 30<sup>th</sup> April at La Cité / Congress Center in Nantes, France. This conference offers an overview of the latest innovations and recently implemented laser applications. The 2015 event is organized by the French **CLUB LASER & PROCEDES** (CLP), in partnership with the **COOPERATION LASER FRANCO-ALLEMANDE** (CLFA) and **MAUPERTUIS INSTITUTE**. The conference program is organized with 6 thematic sessions and provides excellent opportunities for networking. The 2015 edition proposes 34 conferences on 28<sup>th</sup> and 29<sup>th</sup> of April and visits of the TECHNOCAMPUS COMPOSITES and AIRBUS facilities in the morning of 30<sup>th</sup> of April.

JNPLI 2015 is sponsored by **LASER 2000**, **AIR LIQUIDE**, **CLFA**, **IRT Jules Vernes** and the **Région Pays-de-la-Loire**. JNPLI 2015 is also supported by the French Optics Society (SFO), Photoniques magazine, the French committee of International Year of Light, the European Laser Institute (ELI) and the European Photonics Industry Consortium (EPIC).

### Main topics of the conference

The main conference topics deal with **heavy section welding**, **dissimilar materials assembly**, **composite processing**, **laser applications for lightweight design** and **surface processing**.

There will be invited talks given by renowned experts as:

- Stefan Kaierle from **LASER ZENTRUM HANNOVER** on laser-based XXL-production
- Rémy Fabbro from **PIMM (Paris)** on physics mechanism in heavy section welding under low ambient pressure
- Rudolf Weber from **IFSW (Stuttgart)** on high-quality laser processing of CFRP

Furthermore, among others presentations will be given by:

- Fabrice Scandella from **INSTITUT DE SOUDURE** on state of the art in heavy section laser welding
- David Lemaître from **INSTITUT MAUPERTUIS** on laser hybrid welding for shipbuilding
- Wolfgang Knapp from **CLFA** on laser surface treatments for dissimilar materials assembly
- Frank Schneider from **FRAUNHOFER ILT** on comparison of laser sources for processing of CFRP
- Nerea Otero Ramudo from **AIMEN** additive laser-based techniques for surface structuring of 3D-micro replication tools

Other topics such as **laser additive manufacturing**, **laser polishing**, **laser shot peening**, **laser precision micro fabrication**, **gas-assisted laser material processing**, and recent developments in **fiber or diode laser technologies** for precision cutting, welding or cladding will be presented as well.

### Networking evening reception

The evening of April 28<sup>th</sup> will promote networking and exchanges between attendees. You will visit and enjoy the incredible **Galerie des Machines de l'île**, and discover gourmet way of cooking inspired by the French tradition on the floating platform of the **Nantilus restaurant on the Loire River**.

### For more details about the JNPLI event:

Contact: [contact@laserenligne.fr](mailto:contact@laserenligne.fr)

Program et registration form : <http://www.laserenligne.fr/>



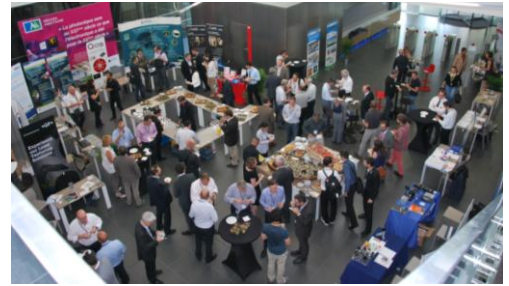
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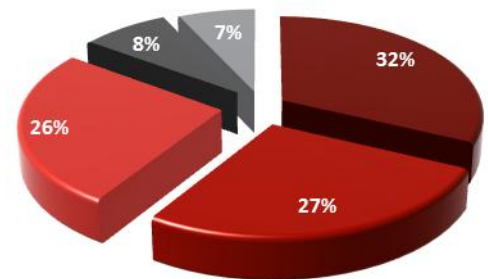
## Why attend JNPLI 2015?

- Unique opportunity in France to meet laser experts or technology providers, and to be aware of recent developments in laser material processing
- More than 100 attendees
- More than 30 conferences on 28<sup>th</sup> and 29<sup>th</sup> of April
- Exhibition area for table-top booth on 28<sup>th</sup> and 29<sup>th</sup> of April
- Visit of Technocampus Composites and industrial facilities on 30<sup>th</sup> April
- Networking evening reception on 28<sup>th</sup> of April
- Simultaneous translation French <-> English



## Who attends JNPLI ?

- **End-users**
- **Technology providers**  
Laser manufacturers, laser systems, components
- **Technological centres**
- **Public research labs**
- **Others: academics, clusters, associations, magazines**



JNPLI 2014 in Bordeaux

## The organizers:

■ **Coopération Laser Franco-Allemande (CLFA)**, The Coopération Laser Franco-Allemande (CLFA) represents in France the Fraunhofer Institut Lasertechnik, Europe's leading institution in the development of laser sources and applications. Since 2014 CLFA has moved to Nantes to cooperate with the IRT Jules Verne, the national research center dedicated to develop new manufacturing technologies. On site CLFA represents the Fraunhofer Lightweight Design Alliance gathering the expertise of 15 Fraunhofer Institutes in Germany. Together with the French partners innovative solutions in manufacturing are developed for local and European industrial partners.

■ **Institut Maupertuis** is a competence center of 10 people located in Bruz near Rennes (35). Equipped with testing facilities, Institut aims at accompanying industrial firms to evaluate, develop and implement new production technologies with a strong expertise in material treatment technologies (laser applications, FSW), robotics and RFID.

■ **Club Laser et Procédés (CLP)** The French association Club Laser et Procédés (CLP) regroups more than a hundred members and gathers French key players in laser material processing, from academia and industry, as well as technology providers and end-users. The CLP is in charge of the information dissemination related to laser technologies and industrial laser material processing, as well as the coordination of the French laser network. The CLP is an independent organization and offers a wide range of services to its members.



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## Industrial sponsors:

■ **LASER 2000** is a company that distributes innovative components and products in the field of laser and optics technologies. Laser 2000 and JSDU have just signed an agreement concerning the commercial release of five multi kilowatt new turnkey fiber laser and direct-diode laser systems for use by machine tool manufacturers for macro-materials processing applications.



■ **L'AIR LIQUIDE FRANCE INDUSTRIE** is the french subsidiary of the Air Liquid Group, production and commercialization of all industrial gases in France. Leader for all laser cutting and laser welding applications, LASAL a range of optimized, gases, equipments. The company proposes technical support and process optimization for cutting and welding processes to its customers. The company has also a R&D Centre for welding and cutting processes.



## Practical information:

You can find details on the event location, travel and accomodations nearby La Cité / Centre des Congrès de Nantes (*congress center*).

[Clic here to download practical information](#)

Further details on the event location, travel and hotel information here:

<http://www.lacite-nantes.com/uk/attend-an-event/coming-to-la-cite.html>

[http://www.lacite-nantes.com/v3\\_dossiers/dossier\\_7/Hotels\\_Nantes\\_FR\\_bis.pdf](http://www.lacite-nantes.com/v3_dossiers/dossier_7/Hotels_Nantes_FR_bis.pdf)



## Registration fees:

	Cost	Early registration*	
■ <b>Speaker</b>	Member	200 € HT	-
	Non member	300 € HT	-
■ <b>Attendee</b>	Member	425 € HT	350 € HT
	Non member	575 € HT	500 € HT
■ <b>Additional attendee</b>		375 € HT	300 € HT
■ <b>Table-top</b>	Member	425 € HT	350 € HT
	Non member	575 € HT	500 € HT
■ <b>Networking reception</b>		95 € HT	95 € HT
■ <b>Advertising insert</b>	from	150 € HT	(contact us for more details)
■ <b>Sponsorship</b>		1500 € HT	(contact us for more details)

\* Early registration until 31<sup>st</sup> of March 2015

[Click here to download the registration form](#)

## Supports :

