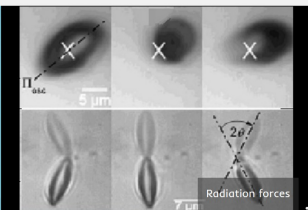


LIP 2014
 25-29th August 2014
 Marseille, France



Registration

The registration form is available on the Conference Website.
 Fees in Euros, inclusive of all taxes:

| | Early | Late |
|--|-------|------|
| Student (Master, PhD) | 400 | 450 |
| Academic/Industry | 600 | 650 |
| Accompanying person (gala & excursion) | 75 | 75 |

Registration fees include for maximum of two oral presentations: the conference attendance, conference abstract book and one copy of the JQRST special issue for corresponding authors, lunches and coffee breaks, welcome diner, LIP 2014 excursion and gala dinner

Venue and accommodation

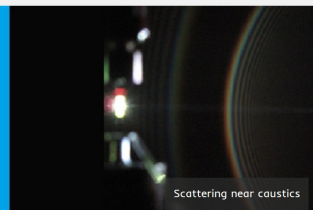
The conference venue is the Campus St Charles of Aix-Marseille University. It is within two minutes walking distance from the main railway station of Marseille "Marseille St-Charles" which is also the stop of the airport shuttle as well as subways. Marseille St-Charles is about 15-20mn walking distance (or 2-4 subway stations) from the « Old-harbour » and the city centre where most suggested hotels and restaurants are located.

Important dates

Abstract submission opensNovember 1st, 2013
 Abstract submission ends.....March 1st, 2014
 Notification of abstract acceptance.....April 1st, 2014
 Early registration opens.....January 1st, 2014
 Late registration after.....May 1st, 2014



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Secretariat and web site of the conference:

Mrs Joyce BARTOLINI
 IUSTI - UMR n°7343 CNRS/AMU
 Polytech'Marseille-Dept. Mécanique-Energétique
 Technopôle Château Gombert - 5. r. Enrico Fermi
 13453 Marseille cedex 13, France
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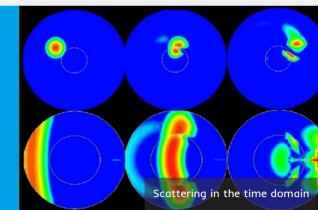
Email for the conference: contact@lip2014.eu

Web site of the conference: www.lip2014.eu

Host institutions and sponsors:



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First Call For Papers

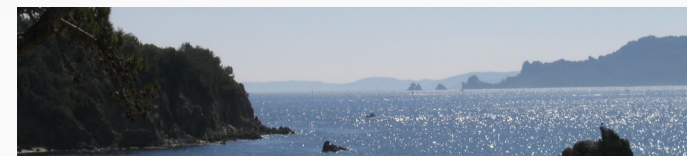
10th International Conference
 Series on

**"Laser-light and Interactions
 with Particles"**

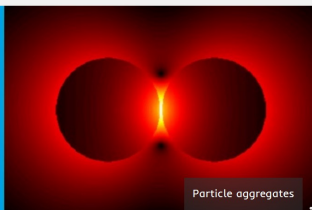


August 25-29th, 2014,
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LIP 2014
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Particle aggregates

Background and Scope

For nearly three decades this conference series has promoted state-of-the-art research and scientific exchange on laser-beams and interactions with particles and particle systems. The present edition follows the former Optical Particle Sizing (OPS) and Characterization (OPC) conferences held in Rouen 1987; Tempe, 1990; Yokohama, 1993; Nürnberg, 1995; Minneapolis, 1998; Brighton, 2001; Kyoto, 2004; Graz, 2007 as well as the reformulated LIP conference, held in Rouen, in 2012.

Papers, ranging from theory to practice, are invited with particular emphasis being placed on the following topics:

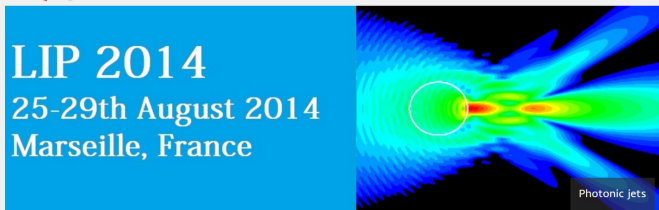
- Beam shape description,
- Near fields and morphology-dependent-resonances,
- Far-field scattering,
- Time-resolved scattering,
- Complex shaped particles and aggregates,
- Multiple scattering in dense media,
- Optical forces and other mechanical effects of light,
- Optical particle sizing and characterization methods.

Applications may range from multiphase flow characterization, to plasma and soft matter physics, nanosciences, aerosol science and atmospheric environment, biomedical optical engineering.

Note that although the conference is mainly intended to deal with electromagnetic beams (vectorial scattering), papers dealing with acoustical and quantum beams (scalar waves) however presenting significant enough correlations with the main issues of the conference are welcome.



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Photon jets

Committees

| | |
|------------|--|
| HONORARY | W. Bachalo, Artium technologies Inc, USA |
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| | P. L. Marston, Washington State University, Pullman, USA |
| | F.R.A. Onofri, IUSTI, Nat. Center Sci. Rsrch (CNRS), Marseille, France |
| | C.M. Sorensen, Kansas State University, Manhattan, KS, USA |
| | B. Stout, Fresnel Institute, Aix-Marseille Univ., Marseille, France |
| | C. Tropea, SLA, Tech. Univ. of Darmstadt, Darmstadt, Germany |
| | G. Videen, Army Research Laboratory, Adelphi, USA |
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| | Y.E. Geints, Russian Academy of Sciences, Tomsk, Russia |
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| | R. Xu, Micromeritics Instrument Corp., Shanghai, China |



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Optical particle characterization methods

Co-chairs: F.R.A. Onofri (CNRS) and B. Stout (AMU)
 S. Barbosa, IUSTI, Aix-Marseille University (AMU), France
 J. Bartolini, IUSTI, Nat. Center Sci. Rsrch. (CNRS), France
 J-M. Geffrin, Nat. Center Sci. Rsrch. (CNRS), France
 C. Guéné, Fresnel Institute, Aix-Marseille Univ. (AMU), France
 F. Lamadie, LGCI, CEA - Marcoule, Bagnols-sur-Cèze, France
 C. Pelcé, IUSTI, Aix-Marseille University (AMU), France
 M. Sentis, IUSTI, Aix-Marseille University (AMU), France

Keynotes Lectures

- P. L. Marston, Washington State University, Pullman, USA
- M. Mishchenko, NASA Goddard Inst.for Space Studies, NY, USA
- R. Xu, Micromeritics Instrument Corp., Shanghai, China
- P. Zemanek, Inst. Scientific Instrum., ASCR, Brno, Czech Republic

Instructions to authors

Abstracts and presentations

Three formats are planned for presentations: keynote lectures, oral presentations and posters. For the two latter, papers are invited on the topics outlined and others falling within the scope of the conference. To do so, authors are invited to submit an extended abstract (see the conference web site). Selection will be based on two independent reviews. All selected abstracts will be published in the proceedings (with ISBN).

Special issue in JQRST

A special issue paper is also scheduled in the Journal of Quantitative Spectroscopy & Radiative Transfer (JQRST, Guest editors: Prof. Gérard Gouesbet, Prof. Marc Brunel). All authors who have presented a conference paper are eligible to this special issue. However, all manuscripts will undergo the ordinary peer-review of this highly ranked journal.

