

Call for Papers *LIC'14*



The 2nd Laser Ignition Conference 2014

Co-located with Optics & Photonics International Congress 2014

<http://lic.opicon.jp/>

April 22 (Tue.) – 25 (Fri.), 2014, Pacifico Yokohama, Yokohama, Japan

Paper Deadline: Jan. 31 (Fri.) 2014

LIC - An international forum for discussion on all aspects of laser induced ignition, including novel giant pulse micro-lasers, new phenomena of laser breakdown, advanced combustion systems and their applications.

The purpose of this meeting is to share information on laser ignition and related sciences and technologies. The conference will be held at Pacifico Yokohama, Yokohama, Japan, on April 22-24 (25), 2014 with the sponsorship from *Micro Solid-State Photonics Group* of the Laser Society of Japan (LSJ) in cooperation with several academic societies and associations.

SCOPE

A. High brightness lasers for ignition and diagnostics

- Micro solid-state photonics: advanced laser crystals, laser ceramics, and micro-domain controlled materials
- Giant micro-photonics: mega-watt class giant pulse generation from micro photonics
- High power and reliable diode lasers: high power VCSELs, DFB and VBG based diodes, etc.
- High power and reliable fiber or fiber lasers, include pump delivery or giant pulse generation

B. Laser ignited engines for power generator and vehicle

- Laser induced breakdown plasma and combustion process analysis
- Laser ignition for electrical power generator and gas engine
- Laser ignition for automobile engine, using gasoline, gas, or any other fuels.
- Future combustion systems: combination with plasma assisted combustion

C. Applications of high brightness laser (Should be Joint Symposium)

- Nonlinear optics: harmonic wave generation, optical parametric generation, sum and differential wave generation, etc.
- Diagnostics: LIBS, mass spectroscopy, gas sensing, etc.
- Materials process: laser drilling, laser peening, etc.
- Laser damage:

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OPTICS & PHOTONICS International Congress 2014 (OPIC 2014)

Web site LIC '14 <<http://lic.opicon.jp/>>, OPIC '14 <<http://opicon.jp/>>

EXHIBITION will be held simultaneously on April 23 (Wed)-25 (Fri) at Pacifico Yokohama.

Sponsored by *Micro Solid-Sate Photonics Group of the Laser Society of Japan*



Co-operation Organization for LIC13:



Laser Institute
of America
Laser Applications and Safety