

LASIG-TWIN: A project funded from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No. 691688.



691688 LASIG-TWIN: LASER IGNITION - A TWINNING COLLABORATION FOR FRONTIER RESEARCH IN ECO-FRIENDLY FUEL-SAVING COMBUSTION (http://www.lasig-twin.eu/)

The 6th LASER IGNITION CONFERENCE 2018 - LIC '18 -

Date:	23-27 April 2018	
Organizer:	The Micro Solid-Sate Photonics Group of the Laser Society of Japan	The 6th Laser Ignition Conference 2018
Location:	Pacifico Yokohama, Yokohama, Japan	0

The Laser Ignition Conference 2018 - LIC '18 took place 23-27 April 2018 at Pacifico Yokohama Conference Center, Yokohama, Japan. The following invited, oral and poster presentations were given by persons that are partners in the project 691688 LASIG-TWIN:

LIC1-1, Invited talk:	M. Bärwinkel and D. Brüggemann, "Laser Ignition of Quiescent and Flowing Methane/Air- Mixtures under Elevated Pressures Using a Passively Q-Switched Laser";	
LIC3-1, Invited talk:	G. Dearden, N. Pavel, M. Bärwinkel, P. Heinz, D. Brüggemann, G. Croitoru, and O. V. Grigore, "Laser spark plug developments for engine ignition";	
LIC4-2, Invited talk:	J. Yi, A. Renards and L. Zimmer, "Interaction between laser induced shock-waves and droplets";	
LIC3-5, Oral talk:	A. Birtas, N. Boicea, F. Draghici, R. Chiriac, G. Croitoru, M. Dinca, and N. Pavel, "On the performances of a 4-cylinder automobile engine with classical spark plug and laser ignition systems";	
LICp6-1, Poster:	N. Pavel, O. V. Grigore, G. Croitoru, and M. Dinca, "A high-peak power passively Q-switched Nd:YAG/Cr ⁴⁺ :YAG compact laser with multiple-beam output".	

The support from the project 691688 LASIG-TWIN was acknowledged in all these presentations. Several photos taken during the talks are shown in the next figures (below).

The LIC'18 Committee Meeting was held on Friday, April 26, 12:00-13:00. Aspects regarding the development of LIC'18, as well as about future organization of this conference were discussed. This meeting was an opportunity for the project participants to discuss and establish connections with people from Japan, USA and Europe, in principal about possible developments in the field of laser ignition. These contacts are important to propose a road mapping for further cooperation between the project partners, as well as with other partners.



Photos taken during the talks given by persons from the project 691688 LASIG-TWIN are shown below.

Mark BÄRWINKEL, University of Bayreuth, Germany: LIC1-1.





Geof DEARDEN, University of Liverpool, UK: LIC3-1.



Laurent ZIMMER, Centrale Supélec - CNRS - Université Paris Saclay, France: LIC4-2.



Nicolaie PAVEL, INFLPR, Romania: LIC3-5.