



LASER IGNITION SUMMER SCHOOL 2017

19-22 JULY 2017, BRASOV, ROMANIA

NATIONAL INSTITUTE FOR LASER, PLASMA and RADIATION PHYSICS, Magurele, ROMANIA



GENERAL INFORMATION

The **LASER IGNITION SUMMER SCHOOL 2017** is organized within HORIZON 2020 - THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION 2014-2020. It is the first summer school of Workpackage 4 of the European project **LASIG-TWIN 691688: LASER IGNITION - A TWINNING COLLABORATION FOR FRONTIER RESEARCH IN ECO-FRIENDLY FUEL-SAVING COMBUSTION** (<http://www.lasig-twin.eu/>; <http://ecs.inflpr.ro/Proiect%20LASIG-TWIN%20691688.html>). The lecture program will be conducted by the experts within LASIG-TWIN, covering the value chain of the project from fundamental to applied research and applications. A limited number of external experts will be invited to give additional talks. This event will promote the laser ignition research activities at National Institute for Laser, Plasma and Radiation Physics - INFPR as well as at European partners. It will provide an opportunity for Romanian and international students as well as for Romanian scientists to attend lectures given by experts and to gather with them for the exchange of ideas within their own or even adjacent fields. A social program will be organized to learn about local attractions.

PARTNERS

NATIONAL INSTITUTE FOR LASER, PLASMA AND RADIATION PHYSICS - INFPR Magurele, Bucharest, ROMANIA	
UNIVERSITÄT BAYREUTH - UBT Universität Strasse 30, Bayreuth 95447, GERMANY Chair of Engineering Thermodynamics and Transport Processes	
THE UNIVERSITY OF LIVERPOOL - UL School of Engineering, The Quadrangle Street, Brownlow Hill L69 3GH, Liverpool, UNITED KINGDOM	
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS Laboratoire EM2C, Street Grande Voie des Vignes, Châtenay-Malabry 92295, FRANCE	
FRAUNHOFER GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG e.V.; Fraunhofer IOF, Albert-Einstein-Strasse 7, Jena 07745, GERMANY	

TOPICS

- A: FUNDAMENTALS OF LASER SYSTEMS. APPLICATIONS TO LASER IGNITION**
- B: CHARACTERIZATION OF INDUCED PLASMAS, IGNITION AND COMBUSTION PROCESSES**
- C: LASER IGNITION IN CAR ENGINES**
- D: LASER IGNITION IN AERONAUTICAL APPLICATIONS**
- E: LASER MATERIALS. GROWTH / SYNTHESIS AND CHARACTERIZATION, APPLICATIONS**
- F: MINIATURIZED LASER SYSTEMS**
- G: POSTER SESSION**

ATTENDEES & LOCATION

- The Summer School is intended mainly for Romanian students audience (Master Students, PhD and PostDoc's), but it is also opened to European students. The number of selected attendees will be 40. The official language of the school is English.
- The Laser Ignition Summer School will be held at **Classic Inn Hotel**, Str. Tibles 7-9, Brasov, Romania.
<http://classic-inn.ro/>; <http://classic-inn.ro/en/home/>

IMPORTANT DATES	APPLICATION PERIOD	01 March - 28 April 2017
	NOTIFICATION OF ACCEPTANCE	19 May 2017
	REGISTRATION &	
	POSTER SUBMISSION DEADLINE	16 June 2017
	SUMMER SCHOOL	19-22 July 2017

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GENERAL RULES

- ➔ The applicant must be a Master student, PhD student or PostDoc working at or enrolled to a national institute from Romania or to a Romanian university. Applications made by foreign students from Europe are welcome. The number of foreigner students is limited to 10 (ten).
- ➔ The Application Form must be completed and submitted by email to one of the addresses: gabriela.croitoru@inflpr.ro or oana.grigore@inflpr.ro. A Curriculum Vitae and a Letter of Recommendation are requested with the application. The letter could be provided by the MSc diploma thesis adviser, by the PhD thesis adviser, or by the head of the department where the applicant is enrolled.
- ➔ There will be **no travel support**.
- ➔ A registration fee is requested. The registration fee is **25 EUR** for Master and PhD students and **40 EUR** for PostDoc students.
- ➔ A contingent of rooms will be reserved in advance for the summer school. There will be no additional fee for accommodation. As a rule, accommodation will be made in double-room type (two students in a double room). **Participants that need to stay in a single room will have to inform in advance the organizing committee. Decision will be made depending also on the room availability. In this case, additional expenses will be supported by the applicant.**
- ➔ The meals (daily lunch and dinner), the coffee breaks, an official dinner, as well as a social program (visit of Brasov) are supported by the Summer School's organizer.
- ➔ A poster session will be organized during the Summer School. Therefore each participant will be requested to confirm, during registration, her/his participation with a poster. A poster contest will be organized. Diploma will be awarded to the best three posters and a prize could be awarded to the best poster.
- ➔ Each attendee will receive a certificate of participation.

LOCAL COMMITTEE

- CROITORU Gabriela	INFLPR, Magurele, Romania
- GRIGORE Oana Valeria	INFLPR, Magurele, Romania
- BRANDUS Catalina Alice	INFLPR, Magurele, Romania
- VOICULESCU Ana-Maria	INFLPR, Magurele, Romania
- TIHON Cristina-Elena	INFLPR, Magurele, Romania
- STANCIU George	INFLPR, Magurele, Romania
- PAVEL Nicolaie	INFLPR, Magurele, Romania
- DASCALU Traian	INFLPR, Magurele, Romania

Web page: http://ecs.inflpr.ro/Proiect LASIG-TWIN_691688-Laser Ignition Summer School 2017.html



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