



Workshop 1: HISTORY, STATUS AND FUTURE OF LASER IGNITED COMBUSTION ENGINES

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

Date: 29-30 September 2016
Place: National Institute for Laser, Plasma and Radiation Physics
Magurele, Bucharest 077125, ROMANIA

- PROGRAMME -

- DAY 1: 29 SEPTEMBER 2016 -

- 9:00 - 9:30 Registration
- 9:30 - 9:45 **Welcome. Introduction**
Nicolae PAVEL, Dr. National Institute for Laser, Plasma and Radiation Physics (INFLPR), Bucharest, Romania
- 9:45 - 10:45 **History - Early Achievements, Developments, Solutions and current Challenges in Laser Ignition**
Ernst WINTNER, Professor Emeritus Technische Universität Wien, Wien, Austria
10:35-10:45 Questions & Answers
- 10:50 - 11:00 Coffee break
- 11:00 - 12:00 **The Effects of Ignition Discharge Parameters on Combustion of Homogeneous Mixtures in Engines**
Radu CHIRIAC, Prof. Dr. University POLITEHNICA of Bucharest, The Faculty of Mechanical Engineering and Mechatronics, Bucharest, Romania (<http://www.upb.ro/en/faculty-of-mechanical-engineering-and-mechatronics.html>)
11:50-12:00 Questions & Answers
- 12:00 - 12:45 Lunch
- 12:45 - 13:45 **Status - Laser Ignition for Space Propulsion - I -**
Mr. Michael BÖRNER German Aerospace Center, Institute of Space Propulsion, Hardthausen, Germany
13:35-13:45 Questions & Answers
- 13:45 - 14:45 **Status - Laser Ignition for Space Propulsion - II -**
Gerhard KROUPA, Dr. Carinthian Tech Research (CRT), 9524 Villach, Austria
14:35-14:45 Questions & Answers
- 14:45 - 15:00 Coffee break
- 15:00 - 15:45 **The Future - Teams in LASIG-TWIN Tackling Technological Challenges**
Erik BECKERT, Dr. FRAUNHOFER IOF, Jena 07745, Germany
- 15:45 - 16:30 **The Future - Technological Challenges for the Application of Laser Ignition**
Moderated Discussion Round
Moderators: **Geoffrey DEARDEN**, Prof. Dr. or **Andrew Thomas SHENTON, Dr.**; Mr. Mark BÄRWINKEL

- END OF DAY 1. DINNER -



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- DAY 2: 30 SEPTEMBER 2016 -

- 9:00 - 10:00 **Status - Automotive Applications – I -**
Geoffrey DEARDEN, Prof. Dr. The University of Liverpool, Liverpool L697ZX, UK
or Andrew Thomas SHENTON, Dr.
9:50-10:00 Questions & Answers
- 10:00 - 11:00 **Status - Automotive Applications – II -**
Traian DASCALU, Dr. INFLPR, Bucharest, Romania
Adrian BIRTAS, Dr. Renault Technologie Roumanie, Bucharest, Romania
10:50-11:00 Questions & Answers
- 11:00 - 11:15 Coffee break
- 11:15 - 12:15 **The Future – Standardization, Legislative, Political and Social-Ethical Challenges for Laser Ignition**
Moderated Discussion Round
Moderator: Erik BECKERT, Dr.
- 12:15 - 13:00 Lunch
- 13:00 - 13:30 **Wrap-up, Outlook to the Future Workshop Program and the Next Workshop in Bayreuth**
Mr. Mark BÄRWINKEL, Nicolaie PAVEL, Dr.
- 13:30 - 15:30 **Laboratory Tour**
- 17:00 **Social Program / DINNER**

- END OF THE WORKSHOP -



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ACCOMODATION

Recommended hotels



****HOTEL NOVOTEL, BUCHAREST CITY, CENTRE

<http://www.novotel.com/gb/hotel-5558-novotel-bucharest-city-centre/index.shtml>

Address: Calea Victoriei 37B, Sector 1
Bucharest 010061
ROMANIA



***HOTEL IBIS BUCURESTI PALATUL PARLAMENTULUI

<http://www.ibis.com/gb/hotel-5938-ibis-bucuresti-palatul-parlamentului/index.shtml>

Address: 82-84 Izvor Street
Bucharest
ROMANIA

Information about Henri Coanda International Airport - Bucharest and transportation to and from is available at:

<http://www.bucharestairports.ro/en>