HEPTech Academia - Industry Matching Event on High Energy Lasers

from Wednesday, 12 November 2014 at **08:00** to Thursday, 13 November 2014 at **16:55** (Europe/Zurich)
at **Deutsches Elektronen-Synchrotron DESY**
Notkestraße 85, D-22607 Hamburg, Germany

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Go to day

Wednesday, 12 November 2014

09:00 - 11:00 Registration and Booth Setup

11:00 - 11:15 Welcome Address *15'*
Speaker: Prof. Helmut Dosch (Chairman of the DESY Board of Directors)

11:15 - 11:45 What is being developed by Industry (tbc) *30'*
Speaker: Dirk Sutter (R&D at TRUMPF Laser GmbH)

11:45 - 12:15 Keynote - What is being developed by Academia *30'*
Speaker: Prof. Franz Kaertner (Division Leader for Ultrafast X-rays at CFEL)

12:15 - 13:00 Networking Lunch

13:00 - 15:00 Session 1 : Large Research Infrastructures & Programmes

13:00 **ELI: The Extreme Light Infrastructure Project (TBC)** *30'*
Speaker: Wolfgang Sandner (ELI DC)

13:30 **ELI Beamlines** *15'*
Speaker: Georg Korn (ELI Beamlines, Scientific Coordinator for Research Programmes)

13:45 **ELI NP** *15'*

14:00 **ELI ALPS** *15'*
Speaker: David Bereckei (ELI ALPS)

14:15 **Wigner RCP and ELI Project** *15'*
Speaker: Mr. Róbert Szipőcs (Wigner RCP)

14:30 **CALTA - Centre for advanced laser technology and Applications (TBC)** *15'*
Speaker: Ric Allot (CLF)

14:45 **Deutsches Elektronen-Synchrotron and the European XFEL(TBC)** *15'*
Speaker: Ingmar Hartl (DESY)

15:00 - 15:30 Coffee and Networking Break

15:30 - 17:00 Session 2: Success Stories

15:30 **Class5p - a DESY Spin-Off** *15'*
Speaker: Robert Riedel (Class 5 Photonics)

15:45 **HILASE** *15'*
Speaker: Dr. Antonio Lucianetti (HiLASE Head of Research Programme)

16:00 **Amplitude Systemes (TBC)** *15'*
Speaker: Eric Mottay (Amplitude Systemes)

16:15 **High Q Laser (TBC)** *15'*
Speaker: Daniel Kopf (High Q Laser)

16:30 **Transfer of Laser Technologies from DLR (German Aerospace Center)** *15'*
Speaker: Priv. Doz. Dr. Adolf Giesen (DLR)

16:45 **Amphos (TBC)** *15'*
Speaker: Thorsten Mans (Amphos)

17:00 - 18:00 Session 3: Industrial Session

17:00 **Dausinger and Giesen** *15'*
Speaker: Apl. Prof. Dr. Friedrich Dausinger (Dausinger and Giesen GmbH)

17:15 **TRUMPF (TBC)** *15'*

17:30 **IPG Photonics (TBC)** *15'*

17:45 **Rofin Sinar (TBC)** *15'*

Thursday, 13 November 2014

08:30 - 09:00 Coffee

09:00 - 09:30 Requirements and challenges (TBC) *30'*
Speaker: Prof. Claus Emmelmann (TU Hamburg-Harburg, CEO of LZN Laser Zentrum Nord GmbH)

09:30 - 10:00 Next generation of laser beam technologies *30'*
Speaker: Prof. John Collier (Director of Central Laser Facility (CLF), STFC Rutherford Appleton Laboratory)

10:00 - 11:00 Session 4: What Lies Ahead

10:00 **Laser driven radiation sources** *20'*

10:20 **Laser based particle acceleration** *20'*
Speaker: Dr. Ceri M. Brenner (CLF, STFC Rutherford Appleton Laboratory)

10:40 **Next generation of high power and high repetition lasers (TBC)** *20'*
Speakers: Prof. Gérard Mourou (Helmholtz Institute Jena), Prof. Jens Limpert (Helmholtz Institute Jena)

11:00 - 12:20 Session 5: Capabilities (Industrial Session)

11:00 **AIRBUS/EADS Hamburg (TBC)** *20'*
Structural analysis stress methods research and technology
Speaker: Dr. Domenico Furfari (Airbus)

11:20 **AIRBUS/EADS Munich (TBC)** *20'*
Speaker: Dr. Elke Hombergsmeier (EADS Deutschland GmbH)

11:40 **HELMHOLTZ-Zentrum, Geesthacht (TBC)** *20'*
Speaker: Nikolai Kashaev (Division Head Material Mechanics at the Institute for Materials Research)

12:00 **Jenoptik AG (TBC)** *20'*
Speaker: Dr. Thomas Fehn (Jenoptik AG)

12:00 - 13:00 Lunch

13:00 - 14:00 Session 6 : Academia-Industry Collaboration Session: How to create succesful partnerships

- *Encourage collaborative working*
- *Offer advice on how to partner with academia/industry*
- *Show successful cases which wouldn't have happened without collaboration of Academia and Industry…*

Speakers:
Prof. Dr. Guenter Huber Institute of Laser Physics, Hamburg University (to be confirmed)
Prof. Friedrich Dausinger
Prof. Patrick George, Institut d'Optic, Charles Fabry Perot Lab, Paleiseau (to be confirmed)
Prof. David C. Hanna, University of Southampton, Optoelectronics Research Centre (ORC) (to be confirmed)