



About EuroFEL

EuroFEL is part of the ESFRI Roadmap 2008. The preparatory phase of EuroFEL (IRUVX-PP) prepares the establishment of the EuroFEL Consortium, which is a distributed Free Electron Laser facility that is going to link complementary national FEL facilities into a unique European Research Infrastructure. IRUVX-PP is funded by the European Commission under FP7.

Why FELs?

Free Electron Lasers (FELs) are the most advanced of the accelerator based light sources which can deliver wavelengths spanning from infrared to ultraviolet and X-rays (IRUVX). They permit investigation of ultrafast (femtosecond) dynamics phenomena on a nanoscale, understanding of which will underpin the exploitation of new high technology areas such as nanotechnology, biotechnology, advanced materials and catalysis. A number of research centres and governments in Europe, USA and Asia have initiated construction of such new facilities at a cost of several hundred million Euros each.

Workshop website

<http://photondiag2010.eurofel.eu/>

Registration

Visit the workshop website <http://photondiag2010.eurofel.eu/> and click the link *Registration*. Please, note that the registration fee (payable by e-payment) covers the basic workshop costs and the conference dinner.

Deadline for registration

31 May 2010

Venue

Deutsches Elektronen-Synchrotron
DESY
FLASH Seminar Room (building 28c)
Notkestr. 85
22607 Hamburg, Germany

For further information...

please contact
hannah.gerth@desy.de
or visit the workshop website
<http://photondiag2010.eurofel.eu/>

Workpackages 3 and 7 of the IRUVX-PP project would like to invite you to join our EuroFEL Workshop on Photon Beamlines & Diagnostics which will take place at DESY from 28–30 June 2010.

The workshop focuses on optimised concepts for the photon beam transport of femtosecond laser-like radiation of short-wavelength FELs. This includes the metrology of optical components and advanced diagnostics for the determination of photon beam properties.

The following main topics will be addressed:

- Multilayer optics for micro focusing and as bandpass filters
- X-ray optics – fabrication and metrology
- Coherence preservation and wave front measurements
- UV- and X-ray optics challenges for ultra short/ultra intense pulses
- Photon diagnostics for FEL sources.