

# 4th Workshop on Adaptive and Active X-ray & XUV Optics

# ACTOP11

4th - 5th April 2011, Diamond Light Source, Oxford, UK

## Topics to be covered:

- Reflective and refractive adaptive / active optics for SR and FEL sources
- Challenges for metrology
- X-ray beam shaping and wavefront optimisation
- Recent advances in optic fabrication and control technology
- Groundbreaking scientific progress enabled by adaptive / active optics
- Future requirements for adaptive / active optics at SR & FEL sources

Following the success of earlier Active Optics (ACTOP) workshops (Soleil 2006, Elettra 2008, and Osaka 2009), a 4th workshop dedicated to adaptive and active X-ray & XUV optics will be held at Diamond Light Source Ltd, UK, in April 2011. Adaptive / Active optics are now an essential tool for exploiting the full potential of synchrotron and free electron laser sources, especially for challenging applications such as: nanofocusing, coherence and wavefront preservation, and lens-less diffraction imaging. Via invited talks and contributed oral / poster presentations, the workshop will provide a forum for scientists, engineers, and industry to exchange ideas on the latest advances in adaptive and active optics, and to discuss future requirements and challenges.



## Key Dates

**6th December 2010**

Abstract submission and registration open

**28th January 2011**

Close of abstract submission

**20th March 2011**

Close of registration

## Organising Committee

Kawal Sawhney, *Diamond Light Source Ltd, UK (Convener)*

Simon Alcock, *Diamond Light Source Ltd, UK*

Ray Barrett, *ESRF, France*

Daniele Cocco, *Sincrotrone Trieste ScpA, Italy*

Mourad Idir, *NSLS-II, USA*

Frank Siewert, *Helmholtz-Zentrum Berlin, Germany*

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