



Advanced School on Accelerator Optimization

7th-11th July 2014, Royal Holloway University of London, UK

Many of today's most advanced research infrastructures rely on the use of particle accelerators.

This includes particle colliders, synchrotron light sources and free electron lasers (FELs), high intensity hadron accelerators for the generation of exotic beams and spallation sources, as well as much smaller accelerator facilities for precision experiments.

The full potential of any accelerator can only be exploited if the performance of all its parts are continuously optimized, if numerical tools are made available that allow for developing and improving advanced machine designs and if methods are developed in partnership between the academic and industry sectors to monitor beams with ever higher intensities and brightness, shorter pulse lengths or smaller dimensions.

This oPAC School covers accelerator optimization through beam physics studies, instrumentation R&D and charged particle beam simulations at an advanced level. It targets PhD students, Postdocs, as well as experienced researchers.

It will be hosted by Royal Holloway University of London, UK and take place from 7th-11th July 2014. There is a fee of 700 £ which covers accommodation and full board. Registration forms are available via the oPAC web page.

Several **scholarships** are available for outstanding early stage researchers. Dead line for application is **31st March 2014**.

You will find full details at:

www.opac-project.eu

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