

## Editorial



Dear colleagues,

Training of the next generation of scientists and increasing the awareness about the vast opportunities that Large Scale Facilities offer both to study and solve topical scientific problems or grand challenges is an important part of our mission. It is thus a great pleasure that about 50% of the users of our facilities are either PhD students (30%) or PostDocs (20%) and experience a huge interest in our training activities. At our last summer school - the 9th PSI Summer School on Condensed Matter Research – from 7-13 August 2010 the topic was Magnetic Phenomena. 114 participants attended the lectures in Zuoz and 27 of these took part in the subsequent hands on training at PSI, using all three different probes (muons, neutrons and photons).

We have exciting times ahead of us and I look forward to see many of you as participants at the next PSI summer school (13-19 August 2011) and in the near future as users of the PSI facilities.

Kurt Clausen on behalf of PSI

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## Inauguration of the SwissFEL Injector Test Facility

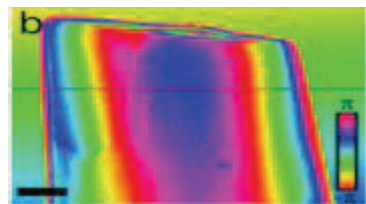


An important milestone for the realization of the new SwissFEL facility was reached on the 24th of August 2010, when the core of the new Swiss Free Electron Laser facility (SwissFEL), was set into operation at the Paul Scherrer Institute. Guest of Honor, Federal Councillor Didier Burkhalter (right), pressed the red button, and the SwissFEL Injector Test Facility produced its first electron beam. In his welcome PSI Director Joël Mesot (left) appealed to the present political representatives: "With SwissFEL we have the unique opportunity to offer our researchers a competitive advantage, and in this way contribute to Switzerland's global leading position in research."

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## Research highlight



**SLS: High-resolution method for computed nano-tomography developed**

**Martin Dierolf, Andreas Menzel, Pierre Thibault, Philipp Schneider, Cameron M. Kewish, Roger Wepf, Oliver Bunk, Franz Pfeiffer: Nature, September 23, 2010 - DOI: 10.1038/nature09419**

A novel nano-tomography method developed by a team of researchers from the Technische Universität München (TUM), the Paul Scherrer Institute (PSI) and the ETH Zurich opens the door to computed tomography examinations of minute structures at nanometer resolutions. For more information read the full story at <http://www.psi.ch/sls/scientific-highlights>