

EPFL Valais, ChE 602 Seminar, 30.03.2017

Title: Energy Research at Paul Scherrer Institute : recent highlights obtained at PSI's large-scale facilities

Abstract:

The Paul Scherrer Institute, PSI, is the largest research center for natural and engineering sciences within Switzerland. One of its main missions is to conceive, realize and run so-called large-scale facilities. With muon, neutron and photon beams, including at the new free-electron laser SwissFEL, PSI offers yearly, on a single site and within a single organization, 4 complementary techniques to thousands of Swiss and international researchers from both academia and industry. Beside its large scale facilities, PSI is also hosting 2 energy divisions: NES (Nuclear Energy and Safety) and ENE (Renewable Energy and Environment). In this talk I shall present recent highlights obtained within the ENE division, several of which benefiting from the large scale facilities.

Bio:

Prof. Dr Joël Mesot is, since 2008, director of the Paul Scherrer Institute (PSI), the largest publicly funded research institute in Switzerland and Professor at ETH Zurich (ETHZ) and EPF Lausanne. Since July 2010, he is member of the ETH Board.

After physics studies at ETHZ, he performed his PhD both at ETHZ and the Institute Laue Langevin (ILL), France, in the field of solid state physics using neutron scattering. After a first stay at PSI, he spent several years at Argonne National Laboratory, USA, where he specialized in synchrotron techniques. He returned to Switzerland in 1999 and later took over the lead of the shared Laboratory for neutron scattering between ETHZ and PSI.

For his achievements he has been awarded in 1995 the IBM Award of the Swiss Physical Society and the Latsis Prize of ETHZ in 2002.

Joël Mesot is member of a number of international advisory boards.