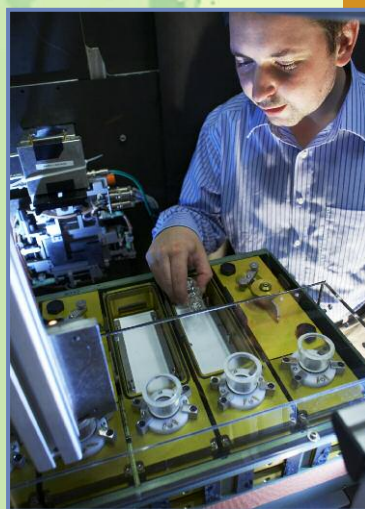
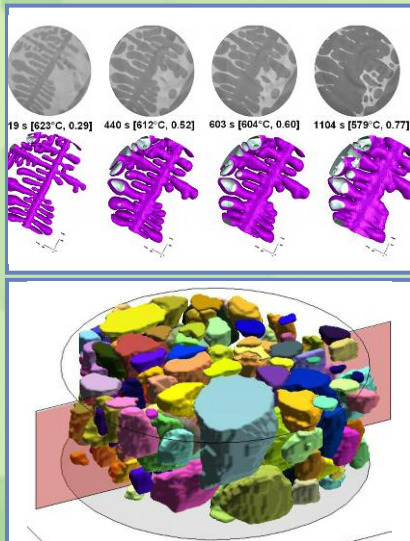
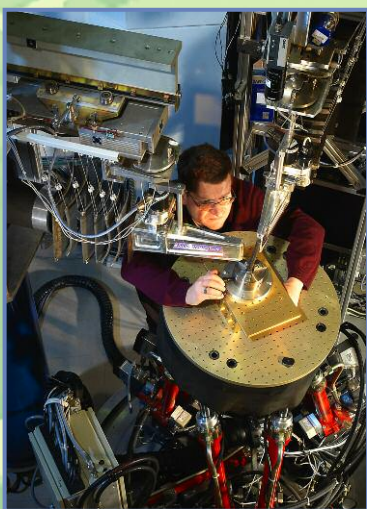
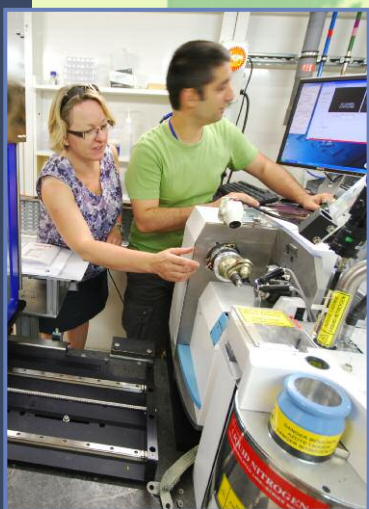


Hercules Specialised Courses

Neutrons and Synchrotron X-rays for Industrial Applications

SUCCESSFUL INNOVATION ONLY STARTS WITH AN INVENTION OR IDEA...

- ➔ Seminars by leading experts in the field
- ➔ Invited industrialists give their insights into the practical advantages of using neutron and synchrotron X-ray beams
- ➔ Experiment demonstrations at ESRF and ILL facilities



Successful innovation only starts with an invention or idea. Bringing it to fruition involves a deep understanding of many factors like growth and processing, scalability, manufacturing and machining, aging and shelf life. The unique properties of neutrons and synchrotron X-rays do not stop at simply analysing structure, but contribute to the entire innovation and product development chain, notably in the performance and properties of materials and the effects of processing. Non-destructive characterisation is possible in situ and even in operando, without alteration of the sample, and even from samples buried deep in support structures.

This training course will give industrial scientists and technologists a privileged insight into the opportunities afforded by neutron and synchrotron X-ray beams to supply detailed information on the structure, microstructure and properties of materials.

Who should attend?

- Company Research Managers
- Industrial Scientists and Researchers
- Industrial Technologists
- Academic Scientists and Engineers collaborating with industrial partners

External Invited Speakers:

- ➔ Jean-Yves BUFFIÈRE (INSA-Lyon)
- ➔ Jean DOUCET (Univ. Paris-Sud 11)
- ➔ Jean-Marie DREZET (EPFL)
- ➔ Joost W.M. FRENKEN (Univ. Leiden) (TBC)
- ➔ Frédéric LEROY (L'Oréal)
- ➔ Martin MUELLER (Helmholtz)
- ➔ Jeffrey PENFOLD (ISIS)
- ➔ Gilles RENAUD (CEA Grenoble - INAC)
- ➔ Didier ROUX (Saint-Gobain)
- ➔ David RUGG (Rolls Royce)
- ➔ Gopinathan SANKAR (Univ. College London)
- ➔ Claus M. SCHNEIDER (FZ Jülich)
- ➔ Winfried SEIFERT (IHP Microelectronics)
- ➔ Elin SONDERGARD (CNRS / Saint-Gobain)
- ➔ Philip J. WITHERS (Univ. Manchester)

Grenoble, 2nd to 4th May 2011

www.esrf.eu/events/conferences/HSC/HSC13

Registration Deadline: 8th April 2011

Registration Fee: 400 €

