

PROGRAMME

29-30 January 2013

Winterschool on Fabrication methods and Irradiation performance

Tuesday 29 January 2013 – Fabrication methods & Fuel irradiation experiments

09:00 – 09:15	Welcome at NRG
09:15 – 12:30	Industrial fuel manufacturing course – Hans Widegren, Westinghouse
12:30 – 13:30	Lunch
13:30 – 14:30	Sol gel methods & advanced sphere-pac fuel fabrication – Manuel Pouchon, PSI
14:30 – 15:30	The resin process for making oxide and carbide microspheres Sébastien Picart, CEA
15:30 – 15:45	Coffee break
15:45 – 17:00	Irradiation studies and post-irradiation examinations of advanced fuel materials – Ralph Hania, NRG
17:00	Bus back to Alkmaar
19:00	Dinner

Wednesday 30 January 2013 – Final Public Workshop CINCH

09:00 – 11:00	CINCH workshop – part I
11:00 – 11:15	Coffee break
11:15 – 12:30	CINCH workshop – part II
12:30 – 13:30	Lunch
13:30 – 17:00	Visit to HFR/HCL
17:00	End of the winterschool/Bus back to Alkmaar



Your market, our nuclear services

Accommodation

A pre – reservations of 40 hotel rooms has been made in the Amrath hotel, contact details: www.amrathhotels.com

Participants have to use the booking code GF510 during the booking.

Alkmaar (www.alkmaar.nl) is a town in North Holland, about 45 minutes by train from the Schiphol (Amsterdam) airport. For information about train schedules and tickets, please see www.ns.nl. The Amrath hotel can be reached from the railway station on foot in about 10 minutes.

Transport

A bus will bring you from the Amrath hotel to NRG and back, this bus is especially arranged for the winterschool. NRG can also be easily reached by car in about 20 minutes or by public transport (bus 151 from Alkmaar Station to Petten, E.C.N., for info see www.connexxion.nl, a ticket can be bought by the bus driver).

Venue

NRG – The winterschool will be held at the Forum building, NRG, Petten, the Netherlands. Visitor address: Westerduinweg 3, 1755 LE Petten, The Netherlands

Application

Students and young researchers are welcome to this winterschool. They have to apply by filling out the form available on the website of the ASGARD project (www.asgardproject.eu) or by mailing to winterschool2013@asgardproject.eu before **30 November 2012**. Each participant has to attach a copy of his/her passport as well as his/her home address, for the HFR/HCL visits.

The registration fee for the winterschool is 150 EUR. For students from the ASGARD, FAIRFUELS and CINCH consortia no fee is asked. The fee covers the booklet, coffee breaks and lunches.

Invited speakers

Hans Widegren (Westinghouse) holds a position as Fellow Engineer, UO₂-pellet mfg. He has 36 years experience within LWR Fuel production, both in process development engineering as well as a production manager. Main fields of process development work have been within conversion of UF₆ to UO₂ and the pelletizing processes both for UO₂-pellets and Burnable Absorber pellets. He has more than 20 years experience as production manager.

Dr. Sébastien Picart (CEA) is a chemical engineer from Paris University (1991), PhD in electro-chemistry from Grenoble University (1995). Researcher since 1997 at CEA's Marcoule Center. Subjects of interest: back-end fuel cycle. Current work: actinide conversion processes, synthesis of actinide oxide microspheres by weak acid resin process (WAR) – microsphere compaction studies.

Dr. Manuel Pouchon (PSI) started his materials research as a PhD student at PSI in the field of nuclear fuel ceramics. After a 2-year research stay in Japan he became involved in the production and characterisation of sphere-pac fuel at PSI. Later he specialized in advanced beamline techniques and micromechanical testing of structural materials. He leads the group "Advanced nuclear materials" in the Nuclear Energy and Safety Department. Within this group he also acts as a team leader for nuclear ceramics where the advanced sphere-pac production and related modelling activities are conducted.



NRG Irradiation & Development

Our extensive nuclear infrastructure allows us to offer a wide range of irradiation and post-irradiation services that cover all your irradiation needs. Many international utilities, radio-pharmaceutical companies and research institutions use our services.

Contact

Ronald Schram
Phone +31 (0)224 564 362
schram@nrg.eu
www.nrg.eu

