



UPPSALA
UNIVERSITET

Workshop on Materials Challenges in Present and Future Nuclear Energy Technology

Oskarshamn, Sweden, 9-11 March 2009

The workshop

Since January 1987 there has been a ban on nuclear energy research in Sweden (thought-ban-paragraph) but recently this ban has been lifted. This workshop aims at identifying materials challenges in present and nuclear energy technology. We hope to reach consensus that could work to kick-start Swedish research in this area.

Venue

The workshop will be held at Äspö Hard Rock Laboratory, owned by SKB (Swedish Nuclear Fuel and Waste Management Co.). The lab. is located just north of Oskarshamn in the famous Swedish archipelago (necessary transportation from Oskarshamn has been arranged).

Discussions

Participants are asked to present their activities in presentation of 15+5 minutes. In a concluding panel discussion we hope to converge on ten crucial materials challenges for nuclear energy technology.

Interests include but are not limited to:

- Vital components in systems addressing safety.

- Contamination barriers.
- Essential structures in nuclear power plants.
- Advanced fuels.
- GEN-IV challenges.

Our thoughts and conclusions will be

summarized and distributed.

Standard presentation equipment will be available.

Schedule

9/3 Arrive at Oskarshamn. An informal get-together dinner with presentation in the evening.

10/3 Bus will leave the hotel at 0800 and take us to Äspö laboratory. Discussions all day and at 1730 the bus will take us back to a workshop dinner.

11/3 Field trip for those interested (0800-1630).

For special requests regarding food please contact us in advance.

Field trip

The day after the workshop participants are welcome to visit SKB's laboratories and facilities in the area. SKB has a full day program including the Äspö and Clab facilities. We need to know in advance if you plan to attend.

Accommodation

Rooms have been booked at Sjöfartshotellet in Oskarshamn. See www.sjofartshotellet.se for more information.

Travel

The main airport in Sweden is Arlanda (ARN) located between Uppsala and

Stockholm. Oskarshamn (OSK) can be reached either by train (trip takes about 5h and is booked at www.sj.se) or by air (trip takes about 1h and is booked at www.skyways.se/en/Book-flight/). Kastrup airport (CPH) near Copenhagen, Denmark, is located about 5h by train from Oskarshamn. Yet another option is Kalmar (KLR), located 65km from Oskarshamn.

Please note that **we need receipts** in order to reimburse your travel costs. The fastest (preferred) method is to have your institution write us an invoice covering the travel expenses. For us to reimburse a private foreign person is a more complicated process and can take several months because the Swedish "IRS" has to be involved...

About Oskarshamn

Oskarshamn is a small town in south east Sweden. At www.oskarshamn.se plenty of information is available (the English flag takes you to the tourist stuff). Note that even though Swedes start to dream of spring in March the weather could be cold and we probably have snow.

Contact

If you have questions please e-mail or call mattias.klintenberg@fysik.uu.se, +46-(0)18-4715861, +46-(0)70-7470727.

The organizing committee thank the Swedish Research Council (VR) for financial support.

