SKC and ANItA

Annual Symposium 2026

at Uppsala University, Ångströmlaboratoriet, Building 10

Tuesday October 13th
Room "Eva von Bahr", 100195

09:00-09:30 Registration

09:30-09:40 Introduction
Cilla Andersson, SKC Director
Sophie Grape, ANItA Director

09:40-10:10 *After the election – What happens now?*
Carl Berglöf, National Nuclear New-build coordinator

10:10-10:35 *Shaping the Future of Vattenfall Nuclear*
Ella Ekeroth, VD Vattenfall Nuclear Fuel

10:35-11:00 *Westinghouse and Sweden's Nuclear Journey: Past, Present, and Future*
Kristina Ryttersson, Senior Director EMEA Fuel Engineering

11:00-11:30 Coffee break and group photo

11:30-12:00 *CDTs and Education in the UK*
Patrick Hackett, Operations Manager Dalton Nuclear Institute

12:00-12:15 *Quantifying Sweden's nuclear workforce needs*
Frida Villemoes, Research coordinator at the Swedish Energy Agency

12:15-12:45 *From contract momentum to European fleet delivery*
Robert Bergquist, RR SMR Country Executive Sweden

12:45-13:45 Lunch

13:45-14:45 Sigvard Eklunds Prize

14:45-15:15 Coffee break

15:15-16:00 Ongoing nuclear activities at CTH, UU, and KTH

16:00-16:45 *Panel Discussion: Securing future competence*
Moderated by
Monika Adsten, R&D Manager FKA and RAB

18:00 Dinner at Norrlands Nation

Wednesday October 14th
Room 101136 and 101190

08:30-09:00 Registration

09:00-13:00 Research Project Presentations

13:00-14:00 Lunch

Scan the QR code for details and registration:

www.skc.kth.se
www.linkedin.com/company/swedishnuclear

SKC Swedish Centre for Nuclear Technology

ANItA

www.uu.se/forskning/anita

Research Project Presentations

at the SKC and ANItA Annual Symposium 2026

Most of the research projects that are funded by ANItA and SKC will be presented. This year there will also be a session about research projects funded by APRI. The presentations are given in three parallel tracks according to the schedule below.

Track A - Materials, Nuclear Chemistry and Severe Accidents.
Room 101136-A, Evelyn Sokolowski, Ångström

9:00-10:10, Session A1: Accident Phenomena of Risk Importance (APRI) Research

- Sabrina Löfström – The APRI Project
- Lu Zhao – Ongoing APRI research
- Ilianna Petropoulou Kynigopoulou - Ongoing APRI research

10:25-11:35, Session A2: Chemistry

- Fredrik Petersson - Boric acid in light water SMRs: Impact on materials and radiation chemistry
- Maria Helena Aubets Oliva - Dissolution and radionuclide release from corium in contact with water
- Anushka Jantwal - Diffusion-Limited Oxidation and Gradient studies on in-service materials in NPPs
- Esraa Darwish - Ongoing Development of CHALMEX Proses for Spent Nuclear Fuel Recycling: Neptunium Behaviour

11:50-13:00, Session A3: Severe accidents and nuclear safeguards

- Aurora Jahan - LAICA - Linking Academia to Industry in Criticality safety Analysis
- Claudia Olaru - Proliferation resistance assessments for future Swedish nuclear energy systems
- Mattias Thuvander - Nanoscale Analysis of Ion Irradiated Additively Manufactured 316L Steel and 718 'Inconel'

Track B – Nuclear fuel and Simulations
Room 101136-B, Evelyn Sokolowski, Ångström

9:00-10:10, Session B1: Nuclear Fuel

- Arvid Andersson - Fuel Cladding Coatings for ATF
- Peter Andersson - Gamma-ray Imaging of irradiated nuclear fuel (part of ANITA-B3)

10:25-11:35, Session B2:Nuclear fuel and simulations

- Flavio Ferella - Economic performance of equilibrium cycles of AP300
- Sandipan Dawn - NESSA - NEutron Source in uppSAla

11:50-13:00, Session B3: Reactor physics, calculations, simulations

- Ibrahim Batayneh - SEMRA: Steam Explosion Modelling and Risk Analysis for light water reactors (*virtual presentation*)
- Jacob Persson – Field Theory for Neutronics

Session C - New Nuclear
Room 101190, Ångström

9:00-10:10, Session C1: New Nuclear I

- Salma Hussein - Core monitoring and diagnostics in SMRs using reactor neutron noise and machine learning
- Graeme Trundle - Forsmark 1 and BWRX-300 TRACE/PARCS model development & applicability to natural circulation BWR stability

10:25-11:35, Session C2: New Nuclear II

- Teodora Vollmer - Small Modular Reactors: Technology, Function, and the Swedish Perspective
- Emil Ahlström - A waste production facility - managerial implications from decommissioning nuclear sites
- Vidar Ekström - Anticipated technology – Exploring the multiplicity of the SMR imagination

11:50-13:00, Session C3: New Nuclear III

- Sophie Grape - Nuclear energy systems in a maritime environment
- Patrik Söderholm – Independent nuclear energy regulators: why they are needed and how they are being challenged