

SKC and ANItA Annual Symposium 2026

at Uppsala University, Ångströmlaboratoriet

Tuesday October 13th

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 Ekeröth, 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

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

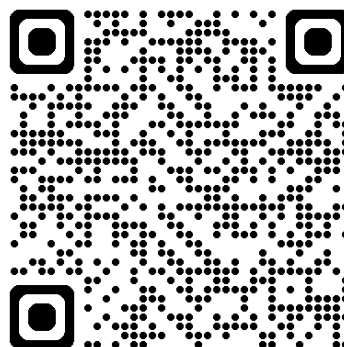
Wednesday October 14th

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:



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. Some of the PhD-projects are almost completed while others have just started. This year there will also be a session about the APRI research about severe accidents and XX international presentations from researchers in the UK.

The presentations are given in three parallel tracks according to the schedule below.

Track A - Materials, Nuclear Chemistry and Severe Accidents

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

- Sabrina Löfström – The APRI Project
- Lu Zhao – 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

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

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

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

- Flavia 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

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 Retegan/Mariam Saad - 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, No 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