

Session Program

6-9 Oct 2026



UKAEA Exhaust Code Workshop 2026

⚡ Lightning Talks / Poster Sessions

Culham Campus, HOW room
Abingdon, OX14 3DB, UK

Wednesday 7 October

14:00

⚡ Lightning Talks / Poster Sessions: Set A

Session | **Location:** Culham Campus, HOW room, Abingdon, OX14 3DB, UK

14:00–14:04 **Kinetic Electron Effects in Expanding Scrape-Off-Layer Flux Tubes**

Speaker

Vera Oberhauser

14:04–14:08

Electromagnetic Fluid Turbulence Simulations of Edge Tokamak Plasmas with Hermes-3

Speaker

Mr Tom Ashton-Key

14:08–14:12

The effect of fluid neutrals on 1D detachment burn-through for STEP

Speaker

John Lloyd Baker

14:12–14:16

Benchmarking 1D plasma-neutral transport between a ReMKiT1D exhaust code and SOLPS-ITER

Speaker

Sid Leigh

14:16–14:20

Adding fluid molecules to Hermes-3.

Speaker

Owen Parry

14:20–14:24

First Snowflake Divertor Simulations in Hermes-3

Speaker

Sebastian Ruiz Gonzalez

14:24–14:28

Modelling 2D edge transport in MAST-U with Hermes-3

Speaker

Lin Shih

14:28–14:32

Drifting cold-ion flow boundary condition at the magnetic presheath entrance

Speaker

Alessandro Geraldini

14:32–14:36

The collisional layer: connecting the bulk plasma to the kinetic sheath

Speaker

Mantas Abazorius

14:40–15:40

Poster Session / Break

15:40

Thursday 8 October

14:00

⚡ Lightning Talks / Poster Sessions: Set B

Session | **Location:** Culham Campus, HOW room, Abingdon, OX14 3DB, UK

14:00–14:04

Transient SOLPS-ITER simulations detachment burn-through events on MAST-U

Speaker

David Moulton

14:04–14:08

Edge neutral inferences useful for constraining models

Speaker

Steven Thomas

14:08–14:12

Accelerating EDGE2D-EIRENE Studies with Deep Learning Surrogate Models

Speaker

Naomi Carey

14:12–14:16

Physical preconditioning for neutrals in Hermes-3

Speaker

Niall Bootland

14:16–14:20

Assessing the Hermes-3 neutral model for stellarator scenarios

Speaker

Annika Stier

14:20–14:24

Understanding the 3D island divertor with a simplified model

Speaker

Nassim Maaziz

14:24–14:28

Software Architecture for Performant Simulations

Speaker

Chris MacMackin

14:28–14:32

Unstructured meshes for Hermes-3 using the FCI approach

Speaker

David Bold

14:32–14:36

Development and Validation of a Closed Island Divertor Concept for reactor-relevant exhaust in Wendelstein 7-X

Speaker

Amit Kharwandikar

14:40–15:40

Poster Session / Break

15:40