AGENDA

2024 SCALE Users' Group Workshop
Wednesday–Friday, June 5–7, 2024
Oak Ridge National Laboratory (Hybrid Meeting)

Bonus: 12 virtual tutorials are offered May 31 and June 3–4 to all workshop registrants who have a SCALE license as required by the tutorials. Participation to these tutorials is unlimited for qualified registrants.

Agenda as of 4/16/2024

Event contact	Germina Ilas ilasg@ornl.gov Will Wieselquist wieselquiswa@ornl.gov

Event /Time	

Wednesday, June 5, 2024, 8:00 am–12:00 pm (Eastern Daylight Time)	

Hybrid Tutorials (Zoom Call-in Option) **Building 5100, Rm. 128** • **8:00–9:50 am** - How to Build and Install SCALE (Shane Hart, ORNL) • **10:00 am–12:00 pm** - Activation Analysis with ORIGEN/MAVRIC for Advanced Reactors (Cihangir Celik and Steve Skutnik, ORNL)	**SCALE 1x1 In-Person Sessions** **5200, Rm. 214** No registration required.

Lunch Break (12:00–1:00 pm)	

Event/Time	Moderator/Presenter
1:00–4:10 pm (Eastern Daylight Time) **Hybrid Technical Session, Building 5100, Room 128** **(Zoom Call-in Option)**	
Introductions/Welcome (1:00–1:10 pm)	
Technical Session (1:10–3:00 pm) Special Session - Invited Talks	Hatice Akkurt (Electric Power Research Institute) Lucas Kyriazidis (U.S. Nuclear Regulatory Commission) Dave Luxat (Sandia National Laboratories) Brad Rearden (X-energy) Vlad Sobes (University of Tennessee)

Event /Time	Moderator/Presenter
Break (3:00–3:10 pm)	
Technical Session (3:10–4:10 pm) SCALE Team Highlights	
Tour: High Flux Isotope Reactor (4:15–5:45 pm) Registration required.	

Thursday, June 6, 2024, 8:00 am–3:10 pm (Eastern Daylight Time) Building 5100, Rm. 128 (Zoom Call-in Option)	
Hybrid Tutorial (8:00–9:50 am) New Sensitivity Features and More in Sampler	Ugur Mertyurek (ORNL) Rike Bostelmann (ORNL)
Technical Session (10:00 am–12:00 pm) SCALE Open Mic	
Working Lunch (12:00–1:00 pm) What is new in SCALE - Sneak Peek at Upcoming Features	
Tour: Irradiated Fuels Examination Laboratory (1:00–2:00 pm) Registration required.	
Technical Session (2:00–3:00 pm) SCALE Open Mic	
Break (3:00–3:10 pm)	
Technical Session (3:10–4:30 pm) Best Practices for SCALE Modeling & Simulation	

ORNL IS MANAGED BY UT-BATTELLE, LLC FOR THE US DEPARTMENT OF ENERGY

Event /Time	Moderator/Presenter
Friday, June 7, 2024, 8:00 am–11:10 pm (Eastern Daylight Time) **Hybrid Technical Sessions, Building 5100, Room 128** **(Zoom Call-in Option)**	
Technical Session (8:00–10:00 am) Best SCALE Model Contest	
Break (10:00–10:10 am)	
Closing Session (10:10 am–11:10 am)	Will Wieselquist (ORNL) Germina Ilas (ORNL)
Tour: Graphite Reactor (11:10 am–12:10 pm) Registration required.	

BONUS VIRTUAL TUTORIALS

Event /Time	Moderator/Presenter
Friday, May 31, 2024, 8:00 am–3:50 pm (Eastern Daylight Time) **via Microsoft Teams**	
Tutorial Session (8:00–9:50 am) Frequent Fulcrum Functions: The Basics of SCALE's Graphical User Interface	Rob Lefebvre (ORNL) TBD (ORNL)
Tutorial Session (10:00–11:50 am) LWR Decay Heat Analysis with SCALE	Germina Ilas (ORNL) TBD (ORNL)
Tutorial Session (12:00–1:50 pm) Obiwan from A to Z	Steve Skutnik (ORNL) TBD (ORNL)
Tutorial Session (2:00–3:50 pm) ORIGEN Library Generation with TRITON	Steve Skutnik (ORNL) Briana Hiscox (ORNL)

ORNL IS MANAGED BY UT-BATTELLE, LLC FOR THE US DEPARTMENT OF ENERGY

Event /Time	Moderator/Presenter
Monday, June 3, 2024, 8:00 am–3:50 pm (Eastern Daylight Time) **via Microsoft Teams**	
Tutorial Session (8:00–9:50 am) Fulcrum Data and Geometry Visualization	Rob Lefebvre (ORNL) TBD (ORNL)
Tutorial Session (10:00–11:50 am) SCALE Sensitivity	Jordan McDonnell (ORNL) TBD (ORNL)
Tutorial Session (12:00–1:50 pm) Polaris Lattice Physics Modeling for ATF Designs	Matt Jessee (ORNL) Ugur Mertyurek (ORNL)
Tutorial Session (2:00–3:50 pm) SCALE Utilities for Nuclear Data Interrogation, Comparison, and Visualization	Jesse Brown (ORNL) TBD (ORNL)

Tuesday, June 4, 2024, 8:00 am–3:50 pm (Eastern Daylight Time) via Microsoft Teams	
Tutorial Session (8:00–9:50 am) Molten Salt Reactor Analysis with SCALE	Donny Hartanto (ORNL) Rike Bostelmann (ORNL)
Tutorial Session (10:00–11:50am) New Sensitivity Capability in ORIGEN	Bk Jeon (ORNL) Germina Ilas (ORNL)
Tutorial Session (12:00–1:50 pm) SCALE Modelling & Simulations for Source Terms in Spent Nuclear Fuel	Germina Ilas (ORNL) TBD (ORNL)
Tutorial Session (2:00–3:50 pm) VADER for Criticality Safety Validation	Shane Hart (ORNL) B.J. Marshall (ORNL)