



2026 SCALE Users' Group Workshop
Presented Virtually from Oak Ridge National Laboratory
via Microsoft Teams
June 8–12, 2026

DRAFT AGENDA

As of 05/26/2026

Event Contacts: Germina Procop procopg@ornl.gov; Lisa Fassino reedke@ornl.gov;
 Will Wieselquist wieselquiswa@ornl.gov

Monday, June 8, 2026, 8:00 am–2:30 pm (Eastern Daylight Time)	
Event/Time	Moderator/Presenter
Tutorial Session (8:00–9:25 am) Frequent Fulcrum Functions: The Basics of SCALE's Graphical User Interface	Rob Lefebvre (ORNL) Steve Skutnik (ORNL)
Tutorial Session (9:30–10:55 am) SCALE Utilities for Nuclear Data Interrogation, Comparison, and Visualization	Jesse Brown (ORNL) Jordan McDonnell (ORNL)
Introductions/Welcome (11:00–11:05 am)	
Technical Session (11:05 am–12:55 pm) <u>Special Session - Invited SCALE Users Talks</u> <ul style="list-style-type: none"> • Current and Emerging SCALE Capabilities for the NRC - Modernizing Decision-making and Regulations (Kyriazidis) • Automated Testing and Creation of AMPX-Formatted JEFF Libraries (Hart) 	Lucas Kyriazidis (U.S. Nuclear Regulatory Commission) Shane Hart (Organisation for Economic Co-operation and Development - Nuclear Energy Agency) Dongok Choe (Idaho National Laboratory) Tracy Stover (Savannah River Nuclear Solutions, LLC) Matt Lund (Idaho National Laboratory)
Tutorial Session (1:00–2:30 pm) Fulcrum Data and Geometry Visualization	Rob Lefebvre (ORNL) Steve Skutnik (ORNL)

Tuesday, June 9, 2026, 8:00 am–2:30 pm (Eastern Daylight Time)	
Event/Time	Moderator/Presenter
Tutorial Session (8:00–9:25 am) Activation Analysis with ORIGEN/MAVRIC for Advanced Reactors	Cihangir Celik (ORNL) Steve Skutnik (ORNL)
Tutorial Session (9:30–10:55 am) Molten Salt Reactor Analysis with SCALE	Donny Hartanto (ORNL) Rike Bostelmann (ORNL)
Technical Session (11:00 am–12:55 pm) <u>SCALE Open Mic</u>	Benone Frigea (Cernavoda N.P.P) Ievgen Bilodid (SSTC NRS) Briana Hiscox/ Rebecca Krentz-Wee (IAEA) Iñigo Gayo (Universidad Politécnica de Madrid) Travis Trahan (IAEA) Jonathan Faulkner (Georgia Tech)
Tutorial Session (1:00–2:30 pm) MAVRIC Long-Distance Statistics for Activation	Cihangir Celik (ORNL) Mathieu Dupont (ORNL)

Wednesday, June 10, 2026, 8:00 am–2:30 pm (Eastern Daylight Time)	
Event/Time	Moderator/Presenter
Tutorial Session (8:00–9:25 am) ORIGEN Reactor Library Generation with Polaris	Steve Skutnik (ORNL)
Tutorial Session (9:30–10:55 am) Nuclear Data Uncertainty Quantification with Sampler for HALEU/HBU LWR	Ugur Mertuyrek (ORNL) Rike Bostelmann (ORNL)
Technical Session (11:00 am–12:55 pm) <u>Best SCALE Model Contest</u>	Iñigo Gayo (Universidad Politécnica de Madrid) Benone Frigea (Cernavoda N.P.P) Sofia Asadchykh (NCSU) Jonathan Faulkner (Georgia Tech) Mark Nguyen (University of Tennessee) Cihangir Celik/Tarek Ghaddar (ORNL) Mathieu Dupont (ORNL) Travis Greene (ORNL) Donny Hartanto (ORNL) Alex Lang (ORNL) Steve Skutnik (ORNL) Will Wieselquist (ORNL) Georgeta Radulescu (ORNL)

Event/Time	Moderator/Presenter
Tutorial Session (1:00–2:30 pm) Sampler for Nuclear Criticality Safety Applications	Travis Greene (ORNL)

Thursday, June 11, 2026, 8:00 am–2:30 pm (Eastern Daylight Time)

Event/Time	Moderator/Presenter
Tutorial Session (8:00–9:25 am) Modeling of TRISO Fuel with SCALE	Rike Bostelmann (ORNL) Donny Hartanto (ORNL)
Tutorial Session (9:30–10:55 am) VADER for Criticality Safety Validation	Lisa Fassino (ORNL) Alex Shaw (ORNL)
Technical Session (11:00 am–12:55 pm) <u>SCALE 7.0 Features</u> <ul style="list-style-type: none"> • Sphere Packing in Complex Geometries (Ghaddar) • ORIGEN SDFs and E Sensitivity Index (Robert) • New Power and Energy Desposition Distributions in SCALE 7 (Wieselquist) • Automated Cross Section Processing (Brown) • Fuel Cycle Estimator (Skutnik) • Hybrid Parallelism in SCALE-Shift Sequences (Bekar) 	Tarek Ghaddar (ORNL) Yves Robert (ORNL) Will Wieselquist (ORNL) Jesse Brown (ORNL) Steve Skutnik (ORNL) Kursat Bekar (ORNL)
Tutorial Session (1:00–2:30 pm) Accessible Data Files in SCALE and How to Use Them: II.JSON and CSV	Steve Skutnik (ORNL) Yves Robert (ORNL)

Friday, June 12, 2026, 8:00 am–2:30 pm (Eastern Daylight Time)

Event/Time	Moderator/Presenter
Tutorial Session (8:00–9:25 am) Decay Heat and Source Terms Analysis with SCALE	Germina Procop (ORNL) Yves Robert (ORNL)
Tutorial Session (9:30–10:55 am) Similarity Assessment Workflow for Nuclear Criticality Safety	Lisa Fassino (ORNL)

Event/Time	Moderator/Presenter
<p>Technical Session (11:00 am–12:55 pm) SCALE Team Highlights</p> <ul style="list-style-type: none"> • SCALE Resources You May Not Know About (Fassino) • PROTEUS Modeling/Validation (Hartanto) • Nuclear Data Impacts on Nuclide Inventory and Decay Heat for PBR Spent Fuel (Elzohery) • Decay Heat and Nuclides Important for Advanced Reactors (Robert) • SCALE Shielding Calculations for Advanced Reactor Accident Scenarios (Radulescu) • Simplifying Multi-Level Parallelism Through Pre-Built Apptainer Distributions (Lefebvre) 	<p>Lisa Fassino (ORNL)</p> <p>Donny Hartanto (ORNL) Rabab Elzohery (ORNL)</p> <p>Yves Robert (ORNL)</p> <p>Georgeta Radulescu (ORNL)</p> <p>Rob Lefebvre (ORNL)</p>
<p>Tutorial Session (1:00–2:30 pm) ORIGEN Sensitivity</p>	<p>BK Jeon (ORNL) Yves Robert (ORNL)</p>
<p>Closing Session (2:30–3:00 pm)</p>	<p>Germina Procop (ORNL) Will Wieselquist (ORNL)</p>