

Consortium for Advanced Simulation of Light Water Reactors (CASL)

**Oak Ridge National Laboratory, UT-Battelle, LLC
Nuclear Science and Engineering Directorate**



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Technical Focus Areas

Advanced Modeling Applications (AMA)

Jess Gehin, Lead, ORNL
Zeses Karoutas, Deputy Lead, WEC
Steve Hess, Deputy Lead, EPRI

Materials Performance and Optimization (MPO)

Chris Stanek, Lead, LANL
Brian Wirth, Deputy Lead, UTK

Radiation Transport Methods (RTM)

Bill Martin, Lead, UMICH
John Wagner, Deputy Lead, ORNL

Thermal Hydraulics Methods (THM)

Rob Lowrie, Lead, LANL
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Product Integrators

Challenge Problems, Zeses Karoutas*
Challenge Problems, Jeff Secker, CRUD
Challenge Problems, Ken Yueh, GTRF
Challenge Problems, Rob Montgomery, PCI
Core Simulator, Scott Palmtag, Core Physics, Inc.
Validation Data, Nam Dinh, INL

Validation and Uncertainty Quantification (VUQ)

Jim Stewart, Lead, SNL
Mike Pernice, Deputy Lead, INL

Virtual Reactor Integration (VRI)

John Turner, Lead, ORNL
Randy Summers, Deputy Lead, SNL

*Dual capacity