

## TH27 Non-power and Advanced Reactors: Merging of Two Worlds

This session will explore how research reactors and other non-power facilities and the development of advanced reactors impact one another. Panelists will share how insights from designing, licensing, constructing, and operating non-power facilities are informing the development of advanced reactors, such as the use of small-scale non-power reactors to demonstrate novel fuel, coolant, and fabrication, and how the technology development and licensing approaches for advanced reactors are influencing the non-power facilities.

### SESSION CHAIR(S):

- Robert Taylor, Deputy Office Director for New Reactors, NRR/NRC e-mail: [Robert.Taylor@nrc.gov](mailto:Robert.Taylor@nrc.gov)

### SPEAKER(S):

- [Introductory Remarks](#)  
[Robert Taylor](#), Deputy Office Director for New Reactors, NRR/NRC
- [Non-power and Advanced Reactors: Merging of Two Worlds at DOE](#)  
[Alison Hahn](#), Acting Director for Nuclear Reactor Deployment, U.S. Department of Energy
- [Non-power and Advanced Reactors: Merging of Two Worlds at the ACU NEXT Lab](#)  
[Rusty Towell](#), NEXT Lab Director, Abilene Christian University
- [The Hermes Reactor - Accelerating KP-FHR Development](#)  
[Margaret Ellenson](#), Senior Licensing Engineer, Kairos Power, LLC
- [Advanced Reactor Demonstrations & the National Reactor Innovation Center](#)  
[Brad Tomer](#), Chief Operating Officer, National Reactor Innovation Center, Idaho National Laboratory

SESSION COORDINATOR(S):

- Molly-Kate Gavello, Project Manager, NPUF Licensing Branch, Division of Advanced Reactors and Non-power Production and Utilization Facilities, NRR/NRC e-mail: [Molly-Kate.Gavello@nrc.gov](mailto:Molly-Kate.Gavello@nrc.gov)