

## **SPECIALTY FUEL FOR SPACE/DEFENSE REACTORS: DISCUSSION ON PERFORMANCE SPECIFICATIONS AND NONPROLIFERATION POLICY—PANEL ADVANCED REACTOR DESIGNS—PANEL**

**Session Organizer: Ross Christopher Robinson (Y-12)**

With the current interest/progress in both space-nuclear power/propulsion and special purpose military systems, discussions continue regarding the boutique fuel used by these systems (e.g. highly enriched uranium (HEU) versus low-enriched uranium (LEU) fuel). For these high-power systems, low “specific mass” (i.e., kg/kWe) and the neutron flux density required are typically the most important fuel parameters. This panel is intended to bring together policy makers, technical/reactor design experts, program leads, and end-users for an open discussion on the technical challenges and ability to meet design/performance specifications and nuclear nonproliferation policies.

**Panelists:** To be announced