

## MICRO NUCLEAR REACTOR CONCEPTS FOR SPECIAL PURPOSE APPLICATIONS—PANEL

**Session Organizer: Nicolas E. Stauff (ANL)**

Micro nuclear reactors are being developed for different applications such as deployment at harsh locations, long-term electricity supply to a remote area, emergency power to a natural disaster location, etc. For easy and quick deployment to locations where the external power grid and operation man-power are limited, a very small reactor not only in power rate but also in physical size is favorable. A power rate less than 20 MW and factory manufacturing are preferred, together with a high level of passive safety and an autonomous reactor control system. This session will discuss the needs for special-purposes reactors, the key features of micro reactors, and different commercial concepts under development by the industry, university, and national labs.

**Panelists:** Shannon Bragg-Sitton (*INL*)  
Keith Bradley (*ANL*)  
Chang Ho Lee (*ANL*)  
Dasario Rao (*LANL*)  
C. Filipoone (*HolosGen LLC*)  
Paolo Venneri (*USNC*)