



saying at the time, “This award is particularly meaningful as it coincides with finalizing my Ph.D. and enhances my ability to support my family as a graduate student.”

Crozier has several goals for his nuclear career. “My current goal is to help license and deploy the Xe-100 [X-energy’s high-temperature small modular pebble bed reactor].” Longer term, he hopes to “modernize reactor physics practices with better methods and architectures and to lead collaborations between scientists and engineers.”

He also plans to stay involved with ANS. “I mostly contribute articles and present research work, which is fun,” he said.

## Special Recognition



**Mason Fox—  
ANS member  
since 2021**

At the time of his INSC award, Mason Fox was a Ph.D. candidate at the University of Tennessee–

Knoxville, where he studied nuclear engineering and reactor safety. He defended his Ph.D. in July and subsequently began a position in reactor technology development at the Naval Nuclear Laboratory, in West Mifflin, Pa. He also earned his nuclear engineering master’s degree at UTK in 2024, and he received his bachelor’s at Pennsylvania State University in 2018.

In 2023, he worked as a nuclear fuel safety modeling and simulation intern at Oak Ridge National Laboratory. He also performed some of his doctoral research at Oak Ridge. From 2018 to 2022, he served in the navy, where he was a nuclear surface warfare officer onboard USS *Dwight D. Eisenhower*. In addition, he developed technical training course material for nuclear

operator trainees in the aircraft carrier fleet at Naval Air Forces Atlantic.

Fox has been an ANS member for several years. “I’m a member of the ANS Standards Committee, serving on the working group for ANS-10.7,” a standard about nuclear industry software, he said.

Fox’s research honored by the INSC is titled “Reactivity-Initiated Accidents in Two Pressurized Water Reactor High Burnup Core Designs.”

He said, “Minimizing operational cost for nuclear power

*Continued*

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