



## CONDUCTED TOURS

The Penn State Breazeale Nuclear Reactor received the first research reactor license issued in the US in 1955. The reactor is the longest operating licensed research reactor in the country, resulting from President Eisenhower's Atoms for Peace program. Learn about the research performed at the Breazeale Reactor, including plans for neutron beam expansion. See the reactor, and view a dazzling pulse. Visit the reactor bay and read about particular research projects, before moving to the control room. Finally, take a look at the Nuclear Security and Radiochemistry laboratories.



**President Eisenhower, right**, dedicates the Breazeale Nuclear Reactor as Prof. William Breazeale, University President Milton Eisenhower, and Dean Eric Walker look on

The Three Mile Island Nuclear Generating Station is widely known as the site of the 1979 accident during which TMI-2 suffered a partial meltdown. The presently-operating TMI-1 is an 852 MWe pressurized water reactor designed by Babcock and Wilcox. Visit Three Mile Island's control room simulator and experience what it would look and sound like if the plant lost on-site power. Students will hear from nuclear engineers working at the plant and learn what a reactor engineer actually does. Finally, receive a presentation by a reactor engineer who was present during the TMI Unit 2 accident in 1979, including a question and answer session.



Join us at Shaver's Creek for fun team-building exercises custom-designed for the American Nuclear Society. Enjoy fun, energizing, and informative activities with fellow ANS members from around the country. Forge business connections during this informal networking event. This memorable experience will foster camaraderie with fellow students.

