

## Eric Schwarz

Exelon



Overall, I have 22 years of experience in nuclear energy. I joined the US Navy as a submarine nuclear operator and field supervisor (EWS), with training emphasis on electronics and reactor operations.

Following the Navy, I attended Penn State and licensed as a Senior Reactor Operator at the Penn State Breazeale Reactor. For undergraduate research, I worked with Tom Mallouk (now at UPenn) in Chemistry and developed a copper-67 isotope production procedure at the Reactor. I graduated in 2008 with a BS in Chemistry and minor in Physics.

Attended University of Missouri, Columbia, for Chemical Engineering. My research concerned developing molten-salt chemistry equipment such as the reference electrode and electroanalytical

techniques. I graduated in 2011 with my MS in Chemical Engineering.

I rejoined the Navy as a reservist, obtaining a commission as an officer and pursuing training in engineering project management for shipyards and other major warship work. I served for an additional 8 years. While I no longer serve, this experience was instrumental in understanding large, innovative, first-of-a-kind, project management.

Working at Exelon, I started as the Radiochemist and radioactive effluent and environmental monitoring program owner at Peach Bottom Atomic Power Station in Delta, PA. I began to get back into research in 2014 at Franklin & Marshall College (Lancaster, PA) working with Bob Walter in the Department of Earth and the Environment. I created their QA program and wrote all their procedures to operate and maintain their gamma spectroscopy equipment. I am a Research Associate with the College.

In 2015, I changed locations to Three-Mile Island Nuclear Generating Station as an opportunity to get more variety. I obtained my SRO Certification for Pressurized Water Reactors at TMI in 2017 and then transferred to Strategic Engineering at TMI for the Nuclear Steam Supply Group, where I was responsible for nuclear safety systems, internal core structures, auxiliary boilers. I also became the TMI Site Innovation Ambassador to facilitate project activities to being new ideas to reality. I began developing an enduring relationship with Penn State's College of Engineering Learning Factory, pursuing many various projects, some are still in progress.

After TMI closed in October 2019, I transferred back to Peach Bottom and took over the co-Site Innovation Ambassador here. I am looking to grow this program here and get more projects started

and running. I continue to work with F&M and their desire to grow relationships with industry, focused on innovative and entrepreneurial activities.

My research and development focus on technologies to improve cost-effective operations of the current nuclear electric generation fleet as well as how new technologies can be applied to isotope production and extraction, using nuclear reactors where particle accelerators have been traditionally used.