***Pete Pappano***
***Vice President, Fuel Production***
***X-energy***

As vice president for fuel production, Pete leads the development of X-energy's TRISO fuel production strategy, establishing a high assay low enriched uranium (HALEU) supply chain, and designing the X-energy fuel fabrication facility.

Pete manages both of X-energy's US Department of Energy (DOE) Cooperative Agreements. The first (ARC15) is a $53 million project that allows X-energy to further its reactor design, develop a pebble fuel production capability, and initiate interactions with the US Nuclear Regulatory Commission. The second cooperative agreement (iFOA) is a $37M project dedicated to the design and licensing of the TRISO-X Fuel Fabrication Facility, a cross-cutting facility that enables the deployment of many advanced reactor concepts through fabrication of HALEU fuel forms.

Prior to joining X-energy, Pete worked at Oak Ridge National Laboratory (ORNL) on their research staff where he managed their TRISO-based nuclear fuel compact manufacturing process development for the DOE Next Generation Nuclear Plant and Advanced Gas Reactor Fuel Qualification Programs. While at ORNL Pete also oversaw activities associated with irradiated nuclear-grade graphite recycling for DOE's Nuclear Energy Deep Burn Program.

Prior to ORNL, Pete worked as a process engineer for SGL Carbon. Pete also served in two capacities at the US DOE: as a detailee to the Office of Nuclear Energy where he managed the Advanced Graphite Creep graphite program, and then as a materials science program manager for the Office of Fusion Energy Sciences.

He received a B.S. in General Science, and an M.S. and Ph.D. in Fuel Science, all from Pennsylvania State University