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Brandon Haugh

VICE PRESIDENT,
MODELING & SIMULATION

Mr. Brandon Haugh is the Vice President of Modeling & Simulation at Kairos Power. He is currently focused on empowering teams responsible for the development and deployment of modeling and simulation tools for Kairos Power's Fluoride Salt-Cooled High-Temperature Reactor (KP-FHR). Focus areas cover system level modeling, reactor physics, fuel performance, structural integrity of high temperature materials, and mechanistic source term deployed through the safety case for KP-FHR licensing. Mr. Haugh also leads teams that support the KP-FHR design through computational fluid dynamics, piping analysis, and design methods.

Prior to joining Kairos Power in 2018, Mr. Haugh's career encompassed reactor and multiphysics modeling as well as operational support and spent fuel storage across the US nuclear navy, commercial pressurized water reactors, and advanced light water reactors. He also brings extensive experience in commercial software methods licensing, software sales, training, and business development. All of this was done with a passion to rapidly improve methods and deployment of nuclear energy systems that can improve the quality of life for all.

Mr. Haugh earned his M.S. at Oregon State University in nuclear engineering with a primary focus on thermal hydraulics, experimentation, and software engineering. He is a member of the American Nuclear Society (ANS).