Heat Storage for Gen IV Reactors for Variable Electricity from Base-Load Reactors

Changing Markets, Technology, Nuclear-Renewable Integration and Synergisms with Solar Thermal Power Systems

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Cory Stansbury is a nuclear engineer and currently an engineering lead for Westinghouse Energy Storage and Fast Reactor Systems. He is heavily involved with the AP1000 plant, which is considered one of the safest and most economical nuclear power plants available in the worldwide commercial marketplace. Cory Wrote the transient analysis code for calculation of AP1000 plant feed water system performance following line rupture. He also led the safety setup of safety-related valves for four AP1000 plants currently in power ascension in the People's Republic of China. Cory has been the lead design for several projects including piping for the Westinghouse AP1000 plant and the Westinghouse SMR; led balance of plant, power conversion, and emergency steam turbine generator design activities. Along with being the lead author on several publications, Cory is the lead author of Chapters 9-10 in the Design Certification Document at Westinghouse. Today Cory leads the development of new software to automatically evaluate and predict wear of steam generator tubes in light water reactors, utilizing a volume-based wear prediction model. He also is the engineering lead for energy storage discussions. He specializes in Thermodynamic Cycles, Nuclear Plant Systems, Balance of Plant Engineering, Waste Heat Utilization, Automotive Induction Systems, Automotive Exhaust Design, new product development, design for manufacture, design for assembly, and modular construction.

Cory graduated with his Nuclear Engineering Masters of Science from University of Pittsburgh, and his Bachelors of Science in Mechanical Engineering at Rose-Hulman Institute of Technology.