



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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Dr. Bahman Zohuri is currently an Associate Research Professor with the Department of Electrical and Computer Engineering, University of New Mexico, and principal and founder of Galaxy Advanced Engineering, Inc. (GAE). Dr. Zohuri started GAE after many years in the semiconductor and defense industries as a Senior Process Engineer for corporations including Westinghouse and Intel, and then as Senior Chief Scientist at Lockheed Missile and Aerospace Corporation. While at Lockheed, he was responsible for the study of vulnerability, survivability, and component radiation and laser hardening for the Defense Support Program (DSP), Boost Surveillance and Tracking Satellites (BSTS), and Space Surveillance and Tracking Satellites (SSTS). He also performed analysis of characteristics of laser beam and nuclear radiation interaction with materials, Transient Radiation Effects in Electronics (TREE), Electromagnetic Pulse (EMP), System Generated Electromagnetic Pulse (SGEMP), Single-Event Upset (SEU), Blast and, Thermo-mechanical, hardness assurance, maintenance, and device technology. His consultancy clients have included Sandia National Laboratories, and he holds patents in areas such as the design of diffusion furnaces, and Laser Activated Radioactive Decay. Dr. Zohuri earned his bachelor's and master's degrees in Physics from the University of Illinois and his second master's degree in mechanical engineering as well as his doctorate in Nuclear Engineering from University of New Mexico. He has been awarded 3 patents, is the author of many technical books on nuclear energy as well many technical journals.

