



## 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. Cliff Ho** is a Fellow of the American Society of Mechanical Engineers and a Senior Scientist at Sandia National Laboratories, where he has worked since 1993 on problems involving solar energy, thermal energy storage, water safety and sustainability, heat- and mass-transfer processes in porous media, and microchemical sensor systems for environmental monitoring. Since 2008, Dr. Ho has worked in the Concentrating Solar Technologies Department at Sandia, where he performs research on high-temperature solar thermal receivers, particle technologies and storage, heliostat optics, and systems analyses. Dr. Ho has authored over 200 scientific papers, holds 13 patents, is an author and co-editor of two books, and is an Associate Editor of *Solar Energy Journal*. He received an Outstanding Professor Award at the University of New Mexico in 1997, and he received the national Asian American Engineer of the Year Award in 2010. Dr. Ho received an R&D 100 Award in 2013 for his development of the Solar Glare Hazard Analysis Tool, and an R&D 100 Award in 2016 for his development of the Falling Particle Receiver for Concentrated Solar Energy. In 2008, he won *Discover Magazine's "The Future of Energy in Two-Minutes-or-Less"* video contest. Dr. Ho received his B.S. in Mechanical Engineering from the University of Wisconsin–Madison in 1989, and his M.S. and Ph.D. degrees in Mechanical Engineering from the University of California at Berkeley in 1990 and 1993.

