

Talk Title: Perovskite Photovoltaics: Challenges of Commercializing a New Technology

Summary: In this talk, I will provide a high-level introduction to perovskite photovoltaics and explain why there is so much excitement surrounding this technology and the many challenges facing its commercialization. I will also present information about Sandia's extensive student internship program.

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Bio: Joshua S. Stein is the director of the PACT center and a Senior Scientist at Sandia National Laboratories where he leads research and development projects in the areas of photovoltaic module and system performance and reliability, specializing in modeling and analysis of new technologies. He is the founder of the PV Performance Modeling Collaborative (PVPMC) and represents the United States in the International Energy Agency PVPS Task 13 on PV Performance and Reliability. Dr. Stein received a PhD in Earth Sciences from the University of California, Santa Cruz in 2000, and joined Sandia in 2001.