



Civil Nuclear Energy Workshop: Partnering for Implementation

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Dr. Caleb Brooks is an associate professor in the Nuclear, Plasma, and Radiological Engineering Department at the University of Illinois Urbana-Champaign and a Donald Biggar Willett Faculty Scholar. He holds B.S. and Ph.D. degrees in nuclear engineering from Purdue University and has been a member of the UIUC faculty since 2014. As the Director of the Illinois Microreactor RD&D Center, his work is focused on enabling and expanding safe, peaceful uses of nuclear power. Current research activities in this Center include microreactor modeling and simulation, siting analysis, market analysis, instrumentation, operations and reactor control, licensing, and policy. Beyond his work in the Center, Dr. Brooks is also the director of the Multiphase Thermo-fluid Dynamics Lab (MTDL) which specializes in thermo-fluid dynamics of nuclear systems and reactor flows, and hybrid energy approaches for existing and future power systems. He has received the thermal-hydraulics division and society-wide young member research awards from the Atomic Energy Society of Japan, and the Landis Young Member Engineering Achievement Award from the American Nuclear Society.

