

Dr. Jeffrey Moore
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Development of sCO₂ Turbomachinery and its Application to Energy Storage



Biography

Dr. Jeffrey Moore is an Institute Engineer in the Machinery Section at Southwest Research Institute® (SwRI®) in San Antonio, TX. He holds a B.S., M.S., and Ph.D. in Mechanical Engineering from Texas A&M University. His professional experience over the last 27 years includes engineering and management responsibilities related to centrifugal compressors and gas turbines at Solar Turbines Inc. in San Diego, CA, Dresser-Rand in Olean, NY, and SwRI in San Antonio, TX. His interests include advanced power cycles and compression methods, rotordynamics, seals and bearings, computational fluid dynamics, finite element analysis, machine design, controls and aerodynamics. He has authored over 50 technical papers related to turbomachinery and has three patents issued and two pending. Dr. Moore has held positions as the Vanguard Chair of the Structures and Dynamics Committee and Chair of Oil and Gas Committee for IGTI Turbo Expo, and the Associate Editor for the Journal of Tribology. He is also a member of the Turbomachinery Symposium Advisory Committee, the IFToMM International Rotordynamics Conference Committee, and the API 616 and 684 Task Forces.