

Dr. Jeffrey Moore is an Institute Engineer in the Machinery Section at Southwest Research Institute 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 34 years includes engineering and management responsibilities related to centrifugal compressors and gas turbines at Solar Turbines Inc., Dresser-Rand/Siemens Energy, and Southwest Research Institute. His interests include advanced power cycles and compression methods, rotordynamics, seals and bearings, computational fluid dynamics, finite element analysis, machine design, controls, aerodynamics, and oxy-combustion. He has authored over 50 technical papers related to turbomachinery, co-authored four book chapters related to compression, sCO₂ power cycles, energy storage, and hydrogen machinery, and has five patents issued. 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. He has also served as the Associate Editor for the Journal of Tribology and a member of the IGTI sCO₂ Committee, Turbomachinery Symposium Advisory Committee, the IFToMM International Rotordynamics Conference Committee, and the API 616 and 684 Task Forces.