

Jonathan Demko



Jonathan A. Demko has been working in the fields of cryogenics and thermal management for twenty five years. He began his career working for General Dynamics/Fort Worth on the National Aerospace Plane (NASP) program as an Engineering Specialist in the Thermodynamics Analysis Group. He later went on to other engineering positions with the Superconducting Super Collider Laboratory Cryogenics Department and as a Senior Member of the Technical Staff at Sandia National Laboratory. Since 1996 he has been with Oak Ridge National Laboratory (ORNL) working on the development of electric power applications (power cables and transformers) of high-temperature superconductors (HTS). He conducted research efforts for the development of long length HTS cable systems regarding thermal-hydraulic issues, and reliable, energy efficient cryostat development. He has collaborated for several years with the NASA Kennedy Space Center Cryogenics Test Laboratory on thermal insulation systems research and development. Recently Jonathan Demko has accepted an assignment with the Research Accelerator Division Cryogenics Department at the ORNL Spallation Neutron Source. He is a Member of the American Society of Mechanical Engineers (ASME), and the Cryogenic Society of America (CSA) where he was a board member. He served as a member of the AIAA Thermophysics Technical committee and as a technical editor of the Advances in Cryogenic Engineering. He is a registered professional engineer in Texas.