Peter Bradley

Peter Bradley has been the project leader for the Cryogenic Technologies Project at NIST in Boulder, Colorado since 2009 and has enjoyed just over 30 years' experience of one form or another in cryogenic related fields. From 1989 to present at NIST he has served dual capacity as mechanical/cryogenic engineer and scientist experienced with low temperature experiments relating to regenerative and recuperative cryocooling techniques for 4 K to room temperature operation. Early on he started his career at the National Bureau of Standards (now NIST) as an undergraduate PREP in early 1985 where he was first introduced to cryogenics and cryocoolers. He received his BS in Mechanical Engineering in 1986 from the University of Colorado-Denver and continued at NBS until mid-1987 when an opportunity presented at NASA MSFC (1987-1989) exploring cryogenic rocket propellant and flight payload delivery systems for the space shuttle program which included return to flight resolutions resulting from Challenger for the SSME and External Tank.

He has written publications regarding measurements of loss mechanisms in pulse tube cryocoolers and mixed refrigerant Joule-Thomson microcryocoolers and recently, with 2 coauthors was granted a patent on "Secondary Pulse Tubes and Regenerators for Coupling to Room Temperature Phase Shifters in Multistage Pulse Tube Cryocoolers".

Peter is a board member of the International Cryocooler Conference and has served on the technical program committee and as session chair/co-chair for numerous ICC conferences. Recently he became a board member of the Cryogenic Society of America and has attended numerous Cryogenic Engineering Conferences and chaired/co-chaired numerous sessions over his career and looks forward to contributing to its' continued success through the opportunity to join the CEC board.