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Dr. Weiss is a Scientist at Advanced Conductor Technologies and a Research Associate at the University of Colorado. He holds a Ph.D. in Materials Science and Engineering from Florida State University and a Bachelor's degree in Mechanical Engineering. At Florida State University he studied as a member of the Applied Superconductivity Center from 2007 until 2015. He has an educational background that includes cryogenic and magnet design and has worked on the development of superconducting materials including YBCO, Bi-2212, MgB_2 , and Pnictide wires. His present efforts include extensive improvements to the design and manufacture of CORC[®] conductors to enhance performance while developing a more detailed understanding of the science behind high temperature superconducting cables, wires, terminations, and joints for fusion and accelerator applications. He has authored over 50 publications and attended several workshops on applied superconductivity.