**Biography:**

**Peter K. Liaw** obtained his B.S. in Physics from the National Tsing Hua University, Taiwan, and his Ph.D. in Materials Science and Engineering from Northwestern University, US, in 1980. After working at the Westinghouse Research and Development (R&D) Center for thirteen years, he joined the faculty and became an Endowed Ivan Racheff Chair of Excellence in the Department of Materials Science and Engineering at The University of Tennessee (UT), Knoxville in March 1993. He has worked in the areas of fatigue, fracture, nondestructive evaluation, and life-prediction methodologies of structural alloys and composites. Since joining UT, his research interests include mechanical behavior, neutron and synchrotron diffraction, bulk-metallic glasses, high-entropy alloys, and processing of high-temperature alloys and ceramic-matrix composites and coatings, with the kind help of his team members and colleagues at UT and Oak Ridge National Laboratory, and throughout the world. He has been a 2022 Highly Cited Researcher from Clarivate™. He has published one thousand, two hundred, and sixty-one journal papers, including papers in Science, Nature Materials, Nature Communications, Science Advances, Advanced Materials, etc., edited and written sixty-two books and book chapters, and presented numerous plenary, keynote, and invited talks at various national and international conferences. He was awarded the Royal E. Cabell Fellowship at Northwestern University. He is the recipient of numerous “Outstanding Performance” awards from the Westinghouse R&D Center. He was the Chairman of The Minerals, Metals and Materials Society (TMS) “Mechanical Metallurgy” Committee, and Chairman of the American Society for Metals (ASM) “Flow and Fracture” Committee. He has been the Chairman and Member of the TMS Award Committee on “Application to Practice, Educator, and Leadership Awards.” He is a Fellow of ASM, MRS, and TMS. He has been given the Outstanding Teacher Award, the Moses E. and Mayme Brooks Distinguished Professor Award, the Engineering Research Fellow Awards, the National Alumni Association Distinguished Service Professor Award, the L. R. Hesler Award, and the John Fisher Professorship at UT, the TMS Distinguished Service Award, and a 2020 TMS Symposium dedicated to him. He has been the Director of the National Science Foundation (NSF) Integrative Graduate Education and Research Training (IGERT) Program, the Director of the NSF International Materials Institutes (IMI) Program, and the Director of the NSF Major Research Instrumentation (MRI) Program at UT. Several of his graduate students have been given awards for their research, papers, and presentations at various professional societies and conferences. Moreover, his students teach and conduct research at universities, industries, and government laboratories.