

Prof. Hua-Tay Lin currently is the Distinguished Professor of Guangdong University of Technology, Guangzhou, China and the Team Leader of a Guangdong Innovation and Entrepreneurial Research Team Project “on Advanced Manufacturing of High Performance Ceramic Components” since July 2014. Prof. Lin was formerly a research group leader and distinguished R&D Staff of Materials Science and Technology Division, Oak Ridge National Laboratory, Oak Ridge, Tennessee. He earned a B.S. in Physics from National Central University, Taiwan, and M.S. and Ph.D. in Materials Engineering from Auburn University, Auburn, Alabama. He is Academician of World Academy of Ceramic, and Fellow of ASM International and the American Ceramic Society. He also holds adjunct professorship at Department of Materials Engineering, University of Tennessee, Knoxville and guest professorship at Harbin Institute of Technology, South China University of Technology, and Zhejiang University of Technology, China, Tsinghua & Red-Flag Canal New Materials Industrial Development Center, Special Technical Council, Chief Scientist of Chaozhou Three-Circle (Group) Co. Ltd., China, and Technical Advisory Board, Morgan Advanced Materials plc, United Kingdom HQ.

His researches mainly focus on mechanical reliability of advanced ceramic components and electronic devices, high-temperature mechanical performance of ceramics and composites, high-temperature steam effects on mechanical reliability of ceramics and environmental barrier coating systems, and engineering of microstructure and properties of ceramics and composites, and coatings. He has served as a PI on numerous programs sponsored by Department of Energy. He is the editor and co-editor of 30 peer-reviewed conference proceedings, and author and co-author of more than 2000 peer-reviewed publications. He has served in International Advisory Board of more than 50 international conferences/symposia and chaired/co-chaired about 80 prominent international conferences/symposia.

He received Martin Marietta Energy Systems Technical Achievement Award for 1991, Martin Marietta Energy Systems Technical Support Awards for Technology Transfer for 1996 and 1993, Lockheed Martin Energy Research Significant Event Award for 1997, a Japanese Science and Technology Agency (STA) Fellowship Award in 1998, Outstanding Alumnus Award, Materials Engineering, Auburn University in 2007, ASM-IIM (Indian Institute of Metals) Lectureship Award for 2008 and 2012, Lee Hsun Lecture Award of Institute of Metal Research, Chinese Academy of Sciences in 2009, James I. Mueller Memorial Award from the Engineering Ceramics Division, the American Ceramic Society in 2010, and Distinguished Engineering Achievement Award, the Engineers’ Council, USA in 2013, and Aurel Stodola Honor Medal, Slovak Academy of Science in 2013, and Faculty Visiting Fellowship, the University of New South Wales, Sydney, Australia, 2014, and The Chinese Ceramic Society Award for significant contributions to the International Conference on High-Performance Ceramics, Nov. 5, 2015.

He served as the Board of Director of the American Ceramic Society and currently is the senior Editor-in-Chief of the International Journal of Applied Ceramic Technology. He also serves as the Chair of the Journal of Materials Engineering & Performance Committee, the ASM International, and the Advisory Board member of the World Academy of Ceramics.