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Dr. Liao currently serves on the Editorial Advisory Board of the Journal of Fire Science, the Board of the United State Section of the Combustion Institute, the Board of Advisors of the Central States Section of the Combustion Institute, and the ASME K11-Fire and Combustion Technical Committee (FCTC).

Prior to joining the faculty at CWRU, Dr. Liao worked for two-years in the petroleum industry. From 2013-2014, she worked on thermal fluids and two-phase flow problems as a consultant and later as a thermo-fluids specialist at FMC Technologies. In 2011-2012, Dr. Liao worked at Bloomberg LP as a software developer. Dr. Liao obtained her PhD in Mechanical and Aerospace Engineering from Case Western Reserve University in 2011. She double majored in Mechanical Engineering and Physics at National Taiwan University in 2004.