



Ronald J. O'Malley

Dr. Ronald J. O'Malley is the F. Kenneth Iverson Chair Professor for Steelmaking Technologies in the Department of Metallurgical Engineering at Missouri University of Science and Technology. He is also the director of the Kent D. Peaslee Steel Manufacturing Research Center (PSMRC), which is an industry-supported consortium with 20 industry members that support ~1 \$M in research annually. Dr. O'Malley is also the PI for more than \$20M in research with the Department of Energy and the Defense Logistics Agency in areas of sensors development, hydrogen steelmaking, and electric furnace optimization. He has more than 30 years of industrial experience in the metals manufacturing industry at Alcoa, Armco/AK Steel, and Nucor Steel. Ron is a past President of the Association for Iron and Steel Technology (AIST) from 2019-2021, served on the executive board of AIST from 2014 to 2022, is an AIST distinguished member and fellow, AIST lifetime member, an honorary member, and board of trustees member of The American Institute of Mining, Metallurgical, and Petroleum Engineers (AIME), and was selected as the 100th Anniversary Lecturer for the 2023 Henry Marion Howe Memorial Lecture Award. He has authored >190 journal and conference proceedings papers, >100 invited and contributed presentations, holds three U.S. patents and two provisional patents, and is a lecturer for several short courses in steel manufacturing, including the Brimacombe Short Course on Continuous Casting. Dr. O'Malley's current research focus is on H₂ Ironmaking, EAF steelmaking, steel refining, clean steel processing, inclusion engineering, steel-refractory interactions, continuous casting, deformation processing, sensor development for harsh steelmaking environments, and new steel grade development.