



Frank E. Goodwin

Since his retirement from International Zinc Association in June 2020, Dr. Frank Goodwin has been active as an independent consultant on issues related to zinc production, downstream processing, and use. Before this, he served as Director of Technology and Market Development at International Zinc Association for 16 years.

Dr Goodwin's initial exposure to the steel industry was a summer labor gang job in the Blast Furnace Division at the Bethlehem, PA plant of Bethlehem Steel Corporation in 1972. After many days working next to sintering plant machinery, he decided that his next visit to a steel mill would be with a college degree in hand. After completing his formal education, Dr. Goodwin joined Chambersburg Engineering

Co., Chambersburg, PA, as Industrial Engineer/Metallurgist, working on process improvements for their gray iron foundry and large machine shop. He then moved to Chromalloy's Research & Technology Division in Orangeburg, NY as Assistant Director, Product and Process Development, involved in developing repairs for heavy frame gas turbines and their accessories. From there, he moved to International Lead Zinc Research Organization, Inc. in New York City with an initial position as Manager, Metallurgy and Program Development. He progressed through a series of increasing responsibilities, becoming Vice President of Materials Sciences in 1987 and Executive Vice President at the time of the merger between ILZRO and International Zinc Association in 2004, when he assumed responsibility for all of IZA's global programs related to product technology and market development. He has served as a Visiting Adjunct Professor at Pohang University of Science and Technology and West Virginia University.

Dr. Goodwin's first education in metallurgy was at Bethlehem (PA) Area Vocational-Technical School, where he took a three-year program aimed at producing metallurgical technologists out of high school. This excellent program inspired him to continue in this field, he then earned a B.S. degree (with distinction) in Materials Science and Engineering from Cornell University, Ithaca, NY. With his appetite for a professional education not yet satisfied, he was accepted into the solidification processing laboratory of Prof. Merton C. Flemings at Massachusetts Institute of Technology in Cambridge, MA, where he earned his S.M. and Sc.D. degrees in Materials Engineering. The findings of his doctoral thesis, "Strengthening by Fractional Melting," were awarded U.S. Patent 4,295,876, issued on October 20, 1981.

He is the author of several U.S. and foreign patents and over 400 technical publications and contributions to books. His service to the steel industry includes co-chairmanship of the global Galvatech conference series and founding chairman of the AIST Galvanizing Technology Committee, where he continues to play an active role. He is listed in Who's Who in Science and Engineering and similar directories. His awards include the Nyselius and Doehler Awards of the North American Die Casting Association, the Nevison Award from the Galvanizers Association (USA), the EGGA Pin from the European General Galvanizers Association, Life Membership in Wire Association International and the American Galvanizers Association Hall of Fame.