DMSMS 2016 DENVER November 28 - December 1, 2016

Dr. Robert W. Ivester currently serves as the Deputy Director of the Advanced Manufacturing Office (AMO) in the Office of Energy Efficiency and Renewable Energy.

AMO is focused on creating a fertile innovation environment for advanced manufacturing, enabling vigorous domestic development of new energy-efficient manufacturing processes and materials technologies to reduce the energy intensity and life-cycle energy consumption of manufactured products.

Prior to this position, he served as the Executive Secretary to the Inter-agency working group on Advanced Manufacturing, which was formed in 2011 under the National Science and Technology Council's Committee on Technology in the Executive Office of the President, which produced the February 2012 report A National Strategic Plan for Advanced Manufacturing.

His research interests include manufacturing process metrology, modeling, and optimization.

He has performed research to quantify uncertainty associated with measurements and model-based predictions of manufacturing process behavior.

In particular, he has performed extensive research on the measurement of temperature and strain during metal cutting.

He has been an instructor for the Johns Hopkins University Engineering for Professionals program for graduate-level studies in manufacturing engineering since 2001.

He is a Fellow of the American Society of Mechanical Engineers and received his Ph.D. and Bachelor of Science in Mechanical Engineering and Master of Science in Manufacturing Engineering from the University of Massachusetts at Amherst.