



Dr. **Yamaguchi** is a professor and the graduate coordinator in the Department of Mechanical and Aerospace Engineering at the University of Florida. Her research interests include abrasive technologies, surface functionalization, and medical-device development. Her work has been published in over 100 refereed journal papers, and she has been granted 13 patents. She has received many awards, including the 2021 JSPE Numata Memorial Paper Award. She is currently a member of the Board of Directors of the Society of Manufacturing Engineers (SME). She has been elected a fellow of American Society of Mechanical Engineers, CIRP (International Academy for Production Engineering), and SME.