

Peizhen Kathy Lu, PhD

Bio-sketch

Kathy Lu joined the Department of Materials Science and Engineering in 2004. She obtained her B.S in Ceramics from Tianjin University, and her MS and PhD in Materials Science and Engineering from Ohio State University. Additional professional experience includes *Director of Materials Processing* at Center for Innovative Sintered Products of Pennsylvania State University and Materials Development and Processing Scientist at Energizer Battery Company. Her primary research interests are materials synthesis, processing, characterization, and fundamental studies. During 2012-2013, Dr. Lu completed a sabbatical year at Technische Universität Darmstadt in Germany where she developed her interdisciplinary research interests in polymer-derived high temperature materials and materials chemistry. At Virginia Tech, Dr. Lu's total external research funding amount is \$9.8 M and her own share is \$6.4 M. Current and past advisees include 19 MS and PhD (4 females) students, several of them are university professors or work at national labs, 5 international exchange students (one female), and 16 post-docs/visiting scholars (5 females). She has also funded ~63 undergraduate students (21 females) in her lab to conduct research. Dr. Lu has published more than 175 peer-reviewed journal papers, 10 peer-reviewed proceeding papers, and ~10 other proceeding papers. She has single-authored 2 books, edited 5 books, and given >160 presentations/posters. Kathy has been honored with several awards including Fulbright Distinguished Chair Award (2020), Elates Fellow (2020), American Ceramic Society Fellow (2017), Virginia Tech Alumni Award for Research Excellence (2016), Virginia Tech College of Engineering Faculty Fellow Award (2012), Friedrich Wilhelm Bessel Research Award of Alexander von Humboldt Foundation (2011), Karl Schwartzwaldler-Professional Achievement in Ceramic Engineering (PACE) Award from American Ceramic Society (2008), and the Ralph E. Powe Junior Faculty Award from Oak Ridge Associated Universities (2005).