

CONGRATULATIONS!



CELEBRATING SUCCESS

Department of Materials Science and Engineering

New Grants Awarded

Beth Opila, Department Chair and Rolls Royce Commonwealth Professor of Engineering

- DURIP award funded by ARO, “Electromagnetic levitation system for ultra-high temperature ceramics.”

Keynote Lectures and New Papers Published

Debashish Sur, Graduate Research Student; Peter Connors, Graduate Research Student; William Blades, MSE PhD Alumnus; Karl Sieradzki, Visiting Research Professor; and John Scully, Charles Henderson Chaired Professor, Co-Director of the Center for Electrochemical Science and Engineering

- Debashish Sur, et al., “[Investigating the synergistic benefits of Al on Cr\(III\) in the passive films of FeCoNi-Cr-Al CCAs in sulfuric acid](#),” *Electrochimica Acta*, Vol 513, 145523, (February 2025).

Megan Lenox, Graduate Research Student; Alejandro Salanova, Graduate Research Student; Shelby Fields, MSE PhD Alumnus; Samantha Jaszewski, MSE PhD Alumna; Patrick Hopkins, Professor (MAE); and Jon Ihlefeld, Professor

- Megan Lenox, et al., “[Electrode Elastic Modulus as the Dominant Factor in the Capping Effect in Ferroelectric Hafnium Zirconium Oxide Thin Films](#),” *ACS Applied Materials & Interfaces*, Vol 16, 50, 69588-69598, (December 2024).

Noah Jäggi, Visiting Scholar and Cathy Dukes, Research Scientist

- “[Magnesium sulfide powder analyzed by XPS](#),” *Surface Science Spectra*, Vol 32, 1 (January 2025).