

Robert A. Erck

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Professional Experience

- **Present.** Metallurgist, Argonne National Laboratory
 - Research and Development
 - Tribology, Lubrication, and Wear under various test and environmental conditions
 - Development of metal and compound coatings for tribological application
 - Facility development for research on advanced coating and implantation processes
 - **Technical Expertise**
 - Tribology testing
 - Vacuum deposition
 - Metal organic chemical vapor deposition
 - Pulsed laser deposition
 - Transmission electron microscopy
 - Flywheel energy storage
 - Accelerator-based radiation-damage studies

Education

- PhD, Metallurgical Engineering, University of Illinois
- MS, Physics, University of Illinois

Professional Society Activities

- Society of Tribologists and Lubrication Engineers (various organizational and committee roles)

Publications & Patents

- Author or co-author of more than 120 publications on tribology of coatings, wear, lubrication, adhesion, and materials behavior.