



Tim Fister

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Current Position

Assistant Scientist, Chemical Sciences & Engineering Division, Argonne National Laboratory (2010-present)

Background

- Postdoctoral Fellow, Materials Science Division, Argonne National Laboratory (2007-2010)
- Ph.D., Physics, University of Washington; awarded Henderson prize for outstanding Ph.D. thesis (2007)

Interests

- Interfacial properties of batteries and fuel cells under electrochemical boundary conditions
- Thin film growth by ALD, CVD, electrodeposition, etc.
- Understanding charge transfer processes in batteries using x-ray absorption/emission and inelastic x-ray scattering
- Structure/function relationships in complex oxide thin films

Goals

My training is in condensed matter physics, but after 10 years of experiments and collaborations at APS, my research has broadened into areas related to materials science and chemical engineering. During that time, I have ran experiments at numerous sectors

as a university student, national lab researcher, and industrial contractor, which has provided further perspective into the wide range of users at APS. My goal is to continue the growth and diversification of users at APS by making experiments more accessible, improving communication between beamlines, and using outreach like the user's meeting to reach new scientific communities.