Seminar: Tracking and Controlling Disorder Across Time and Length Scales for Next-Generation Energy Materials

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MoSE 1224
September 29th
11:00AM-12:00PM

Surging electricity demand and climate targets require an exponential expansion of renewable generation and storage to restructure the power grid. Achieving this demands rapidly advancing existing technologies and discovering new materials to secure a resilient, domestic energy supply. However, unlike conventional semiconductors, next-generation energy devices exhibit multiscale disorder that profoundly impacts their operation, performance, and stability. Advancing these devices requires high-resolution, high-throughput characterisation of this disorder.

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