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Current Position

Norman C Rasmussen Assistant Professor of Nuclear Science and Engineering, MIT, Cambridge, MA 02139

Education and Employment History

- 2020-Present, Norman C Rasmussen Assistant Professor of Nuclear Science and Engineering, MIT
- 2018- 2020, Assistant Professor of Nuclear Science and Engineering, MIT
- 2015-2017, Postdoc, Mechanical Engineering, MIT
- 2009-2015, PhD, Nuclear Science and Engineering, MIT
- 2005-2009, BS, Engineering Physics, Tsinghua University, China

Interests

My research interest is synthesizing topological quantum materials to elucidate their microscopic interaction mechanisms through x-ray and neutron scattering techniques, toward practical energy and information applications. To better learn these microscopic interaction mechanisms, we augment the scattering data analysis and interpretation through a machine learning approach.

Ideas for Advocacy for the User Community

- Collect feedback from users and improve the data analysis capability with less prior bias through machine-learning approach for APS beamline users
- Support autonomous beam-time planning and optimization through a data-driven approach for APS beamlines
- Promote the diversity and equity for broader APS user groups