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Advanced Characterization capability at INL/MFC

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We currently operate two facilities for advanced characterization and post-irradiation examination on both irradiated and unirradiated nuclear materials (fuels and reactor structural materials), with a third facility scheduled to open in 2024.

We study the properties and behaviors of nuclear materials and their evolution under extreme environments using a variety of state-of-the-art instruments making observations from macro-scale to atomic scale.

In addition to enabling characterization on irradiated materials, we are always looking for new collaborations on material science research.

I would be honored to be involved in the society’s leadership and contribute as an early career member.