

## Lorenzo Vergari



**Bio:** Lorenzo Vergari is an Assistant Professor in the Department of Nuclear, Plasma, and Radiological Engineering (NPRE) at the University of Illinois at Urbana-Champaign (UIUC). Dr. Vergari is the director of the Advanced Blankets and Coolants Laboratory, a research group with the mission of developing the new generation of coolants for fission reactors and liquid breeding blankets for fusion reactors. Dr. Vergari is an expert on molten salts and their chemical interactions with reactor materials and has led or contributed to research efforts focused on solute behavior, salt electrochemistry, graphite-salt interactions, and hydrogen-graphite-salt chemistry.

**Current Position and Employer Institution:** Assistant Professor, Department of Nuclear, Plasma, and Radiological Engineering, University of Illinois Urbana-Champaign

### Academic Background:

- Year of PhD Completion: 2023
- Degree Field: Nuclear Engineering
- Institutions Attended: Politecnico di Milano (BS Energy Engineering 2016, MS Nuclear Engineering 2018), Politecnico di Torino (MS Energy and Nuclear Engineering 2019), University of California Berkeley (PhD Nuclear Engineering 2023)

**Research Area:** Molten salt chemistry, high-temperature electrochemistry, graphite, corrosion, materials characterization, reactor design