



Christopher John Tassone

Associate Professor (Research) of Photon Science

Photon Science Directorate

 Curriculum Vitae available Online

Bio

BIO

Christopher J. Tassone, PhD is the Associate Lab Director for the Energy Sciences Directorate. His scientific interests lie in the development and characterization of advanced materials for energy. Dr. Tassone's research addresses critical challenges in energy transition materials, plastics production, and catalysis, with the goal of improving energy technologies and utilizing domestically secure feedstocks. He is an expert in synchrotron-based X-ray scattering techniques, which he uses to probe the time resolved structure of materials as they are synthesized, and how they evolve under operation. He complements this focus on developing operando and in-situ methods, with the development and application of machine learning for data interpretation and experimental steering. Through this work, Dr. Tassone helps accelerate the discovery of innovative materials for energy and catalysis.

ACADEMIC APPOINTMENTS

- Associate Professor (Research), Photon Science Directorate

HONORS AND AWARDS

- Fellow, Oppenheimer Science and Energy Leadership Program

PROFESSIONAL EDUCATION

- B.S., Santa Clara University , Chemistry (2004)
- PhD, University of California Los Angeles , Physical Chemistry (2011)

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Claire Boronski

Doctoral Dissertation Advisor (NonAC)

Alexis Voulgaropoulos