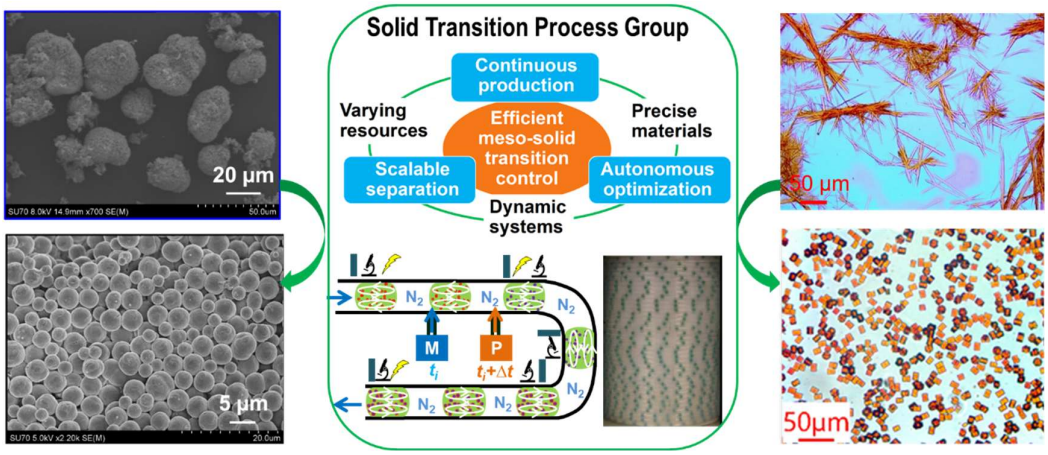
Ph.D. Opportunities at Arizona State University

The Jiang Group at ASU is recruiting Ph.D. students starting Spring/Fall 2026. Our research aims to tackle emerging challenges simultaneously through broadly applicable processes, including alternative energy, electric vehicle batteries, and personalized medicine. Our work focuses on **intelligent meso-solid reaction transitions**—enabling scalable precision for material production and resource recovery. Recent directions include:

- Correction-free flow synthesis of advanced materials
- Continuous purification and resource recovery from complex mixtures
- Automated discovery and optimization of next-generation production and separation processes/platforms



https://search.asu.edu/profile/5491968

The lab emphasizes personalized training based on students' interests and actively fosters collaboration with academia (e.g., MIT) and industry. Team members have backgrounds spanning chemistry, chemical engineering, mechanical or materials engineering. Many have received top awards or honors, and all secured desirable jobs. Dr. Mo Jiang, Associate Professor at ASU's Polytechnic School, earned his B.S. in Biology from Tsinghua University (2006), M.S. in Chemical Engineering from the University of Illinois Urbana-Champaign (2008), and Ph.D. in Chemical Engineering from MIT (2015) on industrial crystallization process design.

Relevant experience may include (other novel perspectives also welcome):

- Flow chemistry or crystallization
- Material synthesis or electrochemical device fabrication
- Reaction/process engineering, or automation;

Motivated and responsible students are encouraged to email these materials to <mojiang@asu.edu>: Resume; Research interests; Other evidence of research skills or innovation