

# Breakout Questions: Day 2 - Group A – Alloy Design

- ▶ What is the status / capability of alloy design by modelling for ultrahigh temperature materials? What role can alloy design by modelling play within this proposed program?
- ▶ What are the best ways for modelling team to interact and collaborate with experimental research and manufacturing teams?
- ▶ How long will one material optimization iteration, ending in a characterized coupon, take? How long will each of the elements (computational optimization, feedstock optimization, and fabrication optimization) take?
- ▶ What are limitations/gaps of computational materials science that pose a risk to the envisioned program?
- ▶ What are the opportunities/challenges to design alloy specifically for additive manufacturing?
- ▶ How can we accelerate materials development specifically for high temperature applications?