Discussion Session I: Wednesday 3:30PM-4:00PM

Peridynamic Fracture Modeling

- What are the biggest challenges and opportunities in peridynamic fracture modeling?
- What do we need to experimentally validate peridynamic fracture models?

Discussion Session II: Thursday 3:00PM-3:30PM

Machine learning and Uncertainty Quantification

- What are the biggest challenges and opportunities in machine learning for computational and experimental fracture mechanics?
- What are the biggest challenges and opportunities in uncertainty quantification for computational and experimental fracture mechanics?

Experimental Fracture

- What are the biggest challenges and opportunities in experimental fracture research?
- How fracture modeling could help experimental fracture research?

Discussion Session III: Friday 12:00PM-12:30PM

Phase-field Fracture Modeling

- What are the biggest challenges and opportunities in phase-field fracture modeling?
- What do we need to experimentally validate phase-field fracture models?

General considerations

- What would be good experiments to compare phase-field and peridynamic fracture models? Is such an experimental data available?
- Are current fracture models predictive enough?