

# Challenges in Optimization for Simulation: Panel Discussion

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# Organization

- Part I:
  - Michael Ferris, UWisconsin-Madison
  - Tito Homem-de-Mello, Northwestern
  - Discussion
- Break
- Part II:
  - Barry Nelson, Northwestern
  - Steve Robinson, UWisconsin-Madison
  - Further discussion
- Adjourn

# Random Questions

- What does “optimal” mean with simulation?
- What are the effects of model selection error and random parameters on optimization for simulation and how to control for that?
- What is the most effective balance of “exploration” (sampling) and “exploitation” (optimizing)?
- How best to combine off-line optimization and simulation with real-time (online) acquisition of data?