

MODELING AND OPTIMIZATION TECHNIQUES FOR ENERGY PROCESSES

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ENERGY-RELATED PROJECTS

- Optimization in CO₂ capture systems
 - Learning from process simulators (Alison Cozad)
- Risk assessment in CO₂ sequestration
 - Monte Carlo simulation (Yan Zhang)
- Design of drilling fluids
 - Molecular design for high T/P drilling fluids (Apurva Samudra)
- Energy-conscious computing
 - Computing with graphics processing units (Panos Vouzis)

