



Short Course

Solving Simulation-Optimization Problems Using iTOUGH2

September 15 – 16, 2011

Lawrence Berkeley National Laboratory
Earth Sciences Division
Berkeley, California

Instructors:

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AGENDA

Thursday, September 15, 2011

- 9:00 am *Welcome*
- 9:15 am *Introduction*
- 10:00 am *Definitions*
- 10:15 am *Stochastic Model*
- 11:00 am *Objective Function*
- 12:00 pm *Working Lunch – Optimization Problems in Earth Sciences*
- 1:00 pm *iTOUGH2 Tutorial*
- 2:00 pm *Computer Exercise 1: Darcy*
- 5:30 pm *Adjourn*
- 6:00 pm *Working Dinner*

Caffe Venezia – 1799 University Ave., Berkeley

Keynote speaker: Andrea Borgia

Friday, September 16, 2011

- 8:30 am Sensitivity Analysis*
- 9:30 am Minimization Algorithm*
- 10:30 am Residual Analysis*
- 11:15 am Uncertainty Analysis*
- 12:00 pm Working Lunch – Advanced Site Characterization Strategies*
- 1:00 pm Computer Exercise 2: Design of CO₂ Well Test*
- 5:00 pm Adjourn*