



# Modeling of Industrial Fluidized Systems using CPFD Barracuda

February 6-10, 2012

## Monday, February 6, 2012 (8:30 AM – 5:00 PM)

- Particle flow modeling
- Introduction to the *Barracuda* Graphical User Interface (GUI)
- Introduction to *Barracuda* post-processing

## Tuesday, February 7, 2012 (8:30 AM – 4:30 PM)

- Engineering analysis using *Barracuda*
- Fast-running fluidized bed training problem
- Chemical reaction modeling in *Barracuda*
- Carbon / steam gasification training problem – set-up and analysis

## Wednesday, February 8, 2012 (8:30 AM – 4:30 PM)

- Analysis of fast-running fluidized bed training problem
- Detailed fluidized bed training problem setup (complex geometry and chemical reactions)
- Trainee-specific project setup

## Thursday, February 9, 2012 (8:30 AM – 4:30 PM)

- Advanced post-processing and analysis scripting
- Initial analysis of detailed fluidized bed training problem
- Trainee-specific project setup

## Friday, February 10, 2012 (8:30 AM – 12:00 PM)

- Final analysis of detailed fluidized bed training problem
- Practical *Barracuda* usage and best practices
- Trainee-specific project wrap-up



CPFD Software, LLC  
10899 Montgomery Blvd NE, Suite A  
Albuquerque, NM 87111  
info@cpfd-software.com +1.505-275-3849