



Modeling of Industrial Fluidized Systems using CPFD Barracuda

November 14 – 18, 2011

Monday, November 14, 2011 (8:30 AM – 5:00 PM)

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

Tuesday, November 15, 2011 (8:30 AM – 4:30 PM)

- Fluidized bed training problem set-up
- Fluidized bed training problem analysis
- Additional training problem setup (choice of chlorinator, cyclone, etc.) or customer-specific project training

Wednesday, November 16, 2011 (8:30 AM – 4:30 PM)

- Training problem analysis (chlorinator, cyclone, etc.) or customer-specific project training
- Complex problem setup (turbulent reactor with internals)
- Complex problem analysis seminar

Thursday, November 17, 2011 (8:30 AM – 4:30 PM)

- Introduction to chemical reaction modeling in **Barracuda**
- Carbon / steam gasification problem set-up and analysis
- Coal gasification problem set-up and analysis

Friday, November 18, 2011 (8:30 AM – 12:00 PM)

- Advanced post-processing
- Best-practice and misc. advice
- Customer-specific project training



COMPUTATIONAL
PARTICLE FLUID
DYNAMICS

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