Modeling of Industrial Fluidized Systems using Barracuda VR

October 14 – 18, 2013

Albuquerque, New Mexico

Monday (8:30 AM – 5:00 PM)

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

Tuesday (8:30 AM – 4:30 PM)

- Grid generation and 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 (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 (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 (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

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