

Almatis-TU Delft Seminar on  
Numerical Modeling of Rotary Kilns  
June 9th, 2011

Room Vassiliadis, 16th floor, EWI Building, Mekelweg 4, Delft

Organizers: M. Pisaroni (TU Delft), R. Sadi (Almatis) and D. Lahaye (TU Delft)

**Morning Program**

- 09:00 - 09:30: reception of guests
- 09:30 - 09:40: welcome by Prof. Dr. Ir. Kees Vuik, director of Delft Center for Computational Science and Engineering (DCSE)
- 09:40 - 10:00: opening by Dr. Ir. Remco de Jong, Almatis CEO
- 10:00 - 10:30: project results presentation on combustion by Michele Pisaroni
- 10:30 - 11:00: break
- 11:00 - 11:45: talk by Prof. Dr. Roekaerts (Department of Multi-Scale Physics (TNW) and Department of Process and Energy (3mE) TU Delft) entitled *Modeling of turbulent flames in furnaces*

**Lunch break**

**Afternoon Program**

- 13:15 - 14:10: project results presentation on heat transfer by Domenico Lahaye
- 14:10 - 14:30: presentation by Dr. Kirill Andreev, Tata Steel Ceramics Research Centre, entitled *Application of thermo-mechanical modelling for industrial high temperature installations.*
- 14:30 - 15:00: presentation by Ir. Gerard Hegemans, director of Comsol Multiphysics Benelux office entitled *Numerical simulation of mixed flows including heat transfer: an overview of COMSOL Multiphysics*
- 15:00 - 15:30: break
- 15:30 - 16:00: project results presentation on particle flow by Michele Pisaroni
- 16:00 - 16:30: talk by Dr. Anthony Thornton (Departement of Engineering Fluid Dynamics, TU Twente) entitled *Introduction to discrete particle simulation methods and its application to segregation in chutes and drums*
- 16:30 - 16:45: closing by Ir. R. Sadi, Almatis
- 16:45 - 17:30: goodbye drinks