

Hydrodynamic study and process simulation of chemical looping combustion of solid fuels

Speaker: Prof. Dr.-Ing. Joachim Werther
Hamburg University of Technology

Date& Time: 2:45-4:00 (pm), Oct 24, 2012 (Wed)

Venue: Multifunctional Hall, IPE Mansion



Introduction:

Resume:

World-class Expert in the field of Fluidization
Professor, Chair of Chemical Engineering, Hamburg University of Technology
Vice President, Hamburg University of Technology
Head, Institute of Solids Process Engineering and Particle Technology

Research Areas:

Measuring techniques for multiphase flow systems,
Fluid mechanics of fluidized beds
Chemical reactions in fluidized beds
Catalyst attrition,
Fluidized-bed combustion and gasification of coal, biomass and sewage sludges
Flowsheet simulation of solids processes
Chemical looping combustion

Awards:

1973 Award of the Technical Faculty of the University Erlangen
1997 Lubbock Sambrook Award of the Institute of Energy, London
2007 International Fluidization Award of Achievement
2007 CSIR-Humboldt Reciprocity Research Award
2010 Particle Technology Forum Award of the American Institute of Chemical Engineers