

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