

5th International Freiberg Conference on IGCC & XtL Technologies



21 - 24 May, 2012
Leipzig, Germany

Poster session programme

P 01	Development of a subgrid model for formulation of boundary conditions on reactor walls under consideration of the slag formation / Dr. Dmitry Safronov – TU Bergakademie Freiberg [Germany]
P 02	Catalytic pyrolysis of a cenral-german lignite / Jörn Appelt – TU Bergakademie Freiberg [Germany]
P 03	Comparison of different methods for the oxidation of spruce wood lignin using pyrolysis-GC as quality control for delignification / Christian Berndt – TU Bergakademie Freiberg [Germany]
P 04	Fluidized bed studies - experiments and modelling of coal gasification / Dr. Joanna Bigda – Institute for Chemical Processing of Coal [Poland]
P 05	Technical aspects of agro fuels conversion in gasification process / Rafał Chłond – VSB Technical University of Ostrava [Czech Republic]
P 06	Perspectives of biogenic gases as substitute for natural gas (SNG) / Stefan Kaelber – Karlsruhe Institute of Technology [Germany]
P 07	CO ₂ RINA- A new approach for an integrated risk analysis for CO ₂ storage / Dr. René Kahnt – G.E.O.S. Ingenieurgesellschaft mbH [Germany]
P 08	Design of liquid-phase reactors to be used in lignite hydrogenation plants / Dr. Thomas Krumsdorf – EDL Anlagenbau [Germany]
P 09	Kinetic modelling of coal particles in entrained flow coal gasifiers with MATLAB / Danny Messig – TU Bergakademie Freiberg [Germany]
P 10	Sorption enhanced steam hydrogasification of coal for self- sustained hydrogen supply and in situ removal of CO ₂ / Dr. Chan Seung Park – University of California [USA]
P 11	Coal-to-Char transformations under entrained flow gasification conditions: effects of coal properties and devolatilisation conditions / Dr. Daniel Roberts – CSIRO Energy Technology [Australia]
P 12	Underground coal gasification and CO ₂ storage- An EU project in deep coal seams in Bulgaria / Ralph Schlueter – DMT GmbH & Co. KG [Germany]
P 13	Particle characterisation in chemical looping combustion with solid fuels / Chern Sim – University of Sheffield [UK]
P 14	Promoted stability of petroleum coke-water slurry by using fine ash from entrained-bed coal water slurries gasifiers as an additive / Prof. Fuchen Wang – East China University of Science and Technology [China]
P 15	New catalysts for energy carriers from biomass-based synthesis gas / Kai Girod – Fraunhofer Umsicht [Germany]
P 16	Experimental equipment for high temperature and high pressure entrained flow coal gasification / F. Botteghi – Technische Universität München
P 17	Preliminary investigation of inverse diffusion flames in the partial oxidation regime / B. Stelzner – TU Bergakademie Freiberg
P 18	Release of alkali metal, sulphur and chlorine species during gasification of coal in a lab-scale drop tube furnance / Dr. Marc Bläsing – Forschungszentrum Jülich [Germany]