

Poster - Programme  
Monday 3 May – Thursday 6 May  
Hilton Hotel

P 01	Measurement of thermo-physical properties of slags under elevated pressure / Michael Müller - Forschungszentrum Jülich GmbH [Germany]
P 02	Comparison of downdraft gasifiers used for combined generation of electric energy and heat in the Czech Republic / Zdeněk Beňo - Institute of Chemical Technology, Prague [Czech Republic]
P 03	Computational performance of the quenching process: a comparison of CFD solvers / Dr. Sylvio Kosse - Siemens AG, Corporate Technology [Germany]
P 04	Operating experiences of new filtering materials for syngas filtration at high temperature and high pressure / José Vicente García-Barbosa (responsible Monica Lupion) - University of Sevilla, Faculty of Physics [Spain]
P 05	Studies on CO <sub>2</sub> reactivity of Polish hard and brown coals under increased pressure / Dr. Slawomir Stelmach - Institute for Chemical Processing of Coal [Poland]
P 06	Carbon dioxide mitigation by microalga in a vertical tubular reactor with recycling of the culture medium / Michele Greque de Morais - Federal University of Rio Grande [Brazil]
P 07	Thermal decomposition of pyrite FeS <sub>2</sub> under neutral atmosphere - Dr. Ludovic Charpentier / TU Freiberg, Virtuhcon [Germany]
P 08	Condensation behaviour of trace elements from coal gasification in a pressurized cooling line / Thomas Haselsteiner - Technische Universität München [Germany]
P 09	Catalytic activity of Sn-Zr based catalysts for direct sulfur recovery process under high pressure / Prof. No-Kuk Park (responsible Jung Yun Park) - Yeungnam University [Korea]
P 10	Design of coal hydrogenation plants by the example of the reaction system of a lignite hydrogenation plant / Thomas Krumsdorf (responsible Detlev Brauße) - EDL Anlagenbau Gesellschaft mbH [Germany]
P 11	Energy-technology installations for combined production of synthetic fuel and electricity from coal with CO <sub>2</sub> removal systems / Prof. Elina Tyurina - Energy Systems Institute of the SB RAS [Russia]
P 12	Preparation and reactivity tests of Ni-based catalyst for production of SNG from coal gas / Prof. Tae Jin Lee (responsible Seonki Jang) - Yeungnam University [Korea]
P 13	Wall catalyzed reactions of syngas fuels in IGCCs with pre-combustion CO <sub>2</sub> -sequestration / Thomas Hammer - Siemens AG, Corporate Research & Technology [Germany]
P 14	Aspects of numerical simulation of coal combustion under oxyfuel atmospheres - Rodrigo Correa da Silva / Brandenburg University of Technology Cottbus – Chair of Power Plant Technology [Germany]
P 15	Experimental study of microscale characteristics of pulverized coal reacted with different ambient gases / Dr. Ivan Imenokhoyev - TU Freiberg, Virtuhcon [Germany]
P 16	Numerical study of the impact of gas flow on the reacting coal particle in air atmosphere / Dr. Petr Nikrityuk - TU Freiberg, Virtuhcon [Germany]
P 17	Studies of biomass char gasification with CO <sub>2</sub> using TGA; reaction kinetics and diffusional effects / Prof. Nader Mahinpey - The University of Calgary, Dept. of Chemical and Petroleum Engineering, Schulich School of Engineering [Canada]
P 18	Development of a regional steam-gas plant (SGO) with low-grade fuel gasification / Aleksander Rizhkov - Yeltsin

	Ural State Technical University–UPI [Russia]
P 19	Pre-treatment of lignite by catalytic cracking for gasification / Prof. Mathias Seitz - HS Merseburg (FH), Fachbereich: INW [Germany]
P 20	Effect of H <sub>2</sub> S on Chemical-Looping combustion of coal-derived synthesis gas over NiO supported on SiO <sub>2</sub> /ZrO <sub>2</sub> /TiO <sub>2</sub> /Sepiolite studied by TGA, Flow Reactor, SEM and XPS techniques / Dr. Ewelina Ksepko - Institute for Chemical Processing of Coal [Poland]
P 21	Application of sewage sludge ashes in chemical looping combustion process / Dr. Ewelina Ksepko - Institute for Chemical Processing of Coal [Poland]
P 22	Promoting projects to optimise biomass energy use - A programme in the framework of the German Climate Initiative, funded by the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety / Diana Pfeiffer – German Biomass Research Centre [Germany]
P 23	Experimental analysis and modelling of high temperature and high pressure coal gasification – HotVeGas-HHV / Alexander Tremel - Technische Universität München [Germany]
P 24	Efficient hydrogen production from biomass derived productgas – Markus Kleinhapl / Bioenergy2020+ GmbH [Austria]
P 25	Ash fusibility studies in high temperature oxidising/reducing atmospheres – Abhishek Bhargava / TU Freiberg, Virtuhcon [Germany]