10th ECCRIA – Poster Session (provisional)

No.   **Page**

Behaviour of a non-Newtonian wet foam flow downstream of an obstacle
Fethi Aloui, Université de Valenciennes et du Hainaut-Cambrésis, France

Kinetic analysis of redox reactions of natural Fe-based oxygen carriers by using TG method
Piotr Babinski, Institute for Chemical Processing of Coal, Poland

Simulation of artificial oxidation of coals during coal transport and storage
Carmen Barriocanal, INCAR (CSIC), Spain

Co-pyrolysis of tyre wastes and coal: influence of conditions on the characteristics of the products

Kinetic study of the pyrolysis of biomass containing briquettes
Carmen Barriocanal, INCAR (CSIC), Spain

Properties and performance of mesoporous activated carbons from scrap tyres, bituminous wastes and coal
Carmen Barriocanal, INCAR (CSIC), Spain

Temperature dependence catalytic activity of nickel nanoparticles for hydration of CO_2 for carbon capture and storage via mineralisation
Gaurav Bhaduri, Newcastle University, UK

Study on energy integration of a CO_2 capture process with a power generation process
Jian Chen, Tsinghua University, China

I   *Computational modelling of autothermal combustion mechanically activated microground coal*
Mikhail Chernetskiy, Kutateladze Institute of Thermophysics, Russia

Fuel enrichment clean coal technology for improving efficiency and reducing emissions
Sheraz Daood, International Innovative Technologies, UK

Modelling the absorption of SO_2 in ammonia-based wet flue gas desulphurisation process
Honglei Ding, Shanghai University of Electric Power, China

Fireside corrosion and role of deposits during oxy-fuel combustion of coal
Marta Escoto de Tajeda, University of Stuttgart, Germany

Financing new coal-fired power generation technologies within the Russian context
Natalya Gorbacheva, Skolkovo Institute of Science & Technology, Russia

Selective catalytic reduction of NO with NH3 over Ce-Cu oxides catalyst: effect of support on the performance
Rui-tang Guo, Shanghai University of Electric Power, China

10th ECCRIA – Poster Session (provisional)

Numerical study on pulversied coal combustion for low grade coal
Baris Gurel, Suleyman Demirel University, Turkey

Design, application and evaluation of a pulverised coal on-line measurement system based on arc-shaped electrostatic sensors
Xiaobin Huang, North China Electric Power University, China

Catalytic reduction of SO2 under regenerator off-gas containing oxygen over Cu-Sn-Zr based oxides for hot coal gas desulphurisation process
Yong Sul Kim, Yeungnam University, South Korea

CCS system modelling: enabling technology to help accelerate commercialisation and manage technology risk
Adekola Lawal, Process Systems Enterprise Ltd, UK

Characterisation of degraded solvents from amine scrubbing
Rachel Lewis, University of Nottingham, UK

The experimental study on SO_2 removal using magnesium oxide
Peng Li, Tongji University, China

A multiple linear regression approach to Nox emission prediction based on flame radical imaging and contourlet transform
Gang Lu, University of Kent, UK

A study of the effect of chemical impurities on the performance of a supercritical CO_2 pump for CCS transport pipelines
Chima Okezue, University of Hull, UK

Performance on sorption capacity of South African coals comparing pure CO_2 and simulated flue (impure) gases
Kasturie Premlall, Tshwane University of Technology, South Africa

Experimental study on the removal of CO_2 in coal-fired power plant using seawater
Zhong Qiu, University of Shanghai Electric Power, China

Corrosion in oxyfuel environments and the effect of coal and biomass ash deposits
Toore Rizvi, Univeristy of Leeds, UK

A methodology to estimate coal reserves using legacy mineworkings data in the South Wales coalfield to evaluate the unconventional resource potential
Vasilis Sarhosis, Cardiff University, UK

Characterising the effects of moisture on solid fuel combustion using experimental and computational fluid dynamics (CFD) analysis
Archi Sarroza, University of Nottingham, UK

Fluorine release and retention during coal pyrolysis and subsequent char combustion
Naoto Tsuouchi, Hokkaido University, Japan

Effect of solvent distillate in the coal and vacuum residue co-processing
Penfei Wang, Sinopec Corporation, China

10th ECCRIA – Poster Session (provisional)

Experimental study on the co-processing of coal with heavy oils
Yun Wang, Sinopec Corporation, China

Simulation study on oxy-fuel combustion of manufactured gas from coal
Peng Xu, University of Hull, UK

Measurement of nitrogen content in coal through UV differential optical absorption spectroscopy
Chuanlong Xu, Southeast University, China

Gaseous CO_2 flow metering using averaging pitot tube with flow conditioning wing
Yong Yan, University of Kent, UK

Flow measurement of pulverised coal on a full-scale power plant using ring-shaped electrostatic sensor arrays
Yong Yan, North China Electric Power University, China

In-line measurement and characterisation of pulverised fuel in square-shaped pneumatic conveying pipes using non-intrusive electrostatic sensor arrays
Yong Yan, North China Electric Power University, China

Flow characterisation of coal and inert particles in a circulating fluidised bed using an electrostatic sensor array
Yong Yan, North China Electric Power University, China

CO_2 leakage detection and location identification in CCS pipelines through acoustic sensing
Yong Yan, North China Electric Power University, China