

Posters submitted for presentation at EuroCombiCat 2007, 22-25 April 2007, Bari/Italy

- Poster 01      Synthesis, Characterization and Catalytic Performance of Rhodium Supported Catalysts  
M. Aoun, A. Benamar, M. Chater, University of Sciences and Technology Houari  
Boumediene, Alger/DZ
- Poster 02      Rh/ZnO-Al<sub>2</sub>O<sub>3</sub> Catalysts for Selective Hydrogenation of Crotonaldehyde.  
M. Aoun, A. Benamar, M. Chater, University of Science and Technologies Houarie  
Boumedien, Alger/DZ
- Poster 03      Photoexcited Electron Transfer Process on Metal Clusters Modified TiO<sub>2</sub>  
J. Sa, J.A. Anderson, University of Aberdeen, Aberdeen/UK
- Poster 04      Novel Ionic Liquids - Both Solvents and Catalysts  
G. Vavilina, A. Priksane, A. Zicmanis, University of Latvia, Riga/LV
- Poster 05      Automated Homogeneous Catalyst Screening in the 384-Well Plate Format  
C. Wendler, A. Allwardt, K. Thurow, University Rostock, Rostock/D
- Poster 06      Hydrotreating Data Interpretation by Chemometrics  
M. Tagliabue, F. Bazzano, G. Del Piero, N. Panariti, C. Perego, Eni S.p.A. , San Donato  
Milanese/I
- Poster 07      Combinatorial Discovery of Catalysts for the Reduction of Diesel Engine Exhaust  
Emissions  
G. Frenzer, K. Stoewe, B. Weidenhof, Saarland University, Saarbruecken/D
- Poster 08      Carboxylation of Glycerol with Carbon Dioxide to Glycerol Carbonate: The Efficiency of  
Catalysts, the Effects of Solvent and Reaction Conditions  
M. Aresta, A Dibenedetto, F. Nocito, C. Pastore, University of Bari, Bari/I
- Poster 09      Experimental and Theoretical Studies of Reactivity of Metal Alkoxides (Group V  
Elements) toward Alcohols and Carbon Dioxide  
M. Aresta, A. Dibenedetto, C. Pastore] University of Bari and CIRCC, Bari/I
- Poster 10      Automated Measurement of Piezoelectric Properties with Atomic Force Microscopy and  
Analysis of Ferroelectric Thin Films for High Throughput Experimentation  
R. P. Herber, G. A. Schneider, Hamburg University of Technology, Hamburg/D
- Poster 11      Ethanol Steam Reforming Carried out in a Pd-Ag Membrane Reactor: The Pressure  
Effect  
A. Iulianelli] F. Gallucci, ITM-CNR, Rende/I; S. Tosti, Enea, Frascati/I; E. Drioli, A. Basile,  
ITM-CNR, Rende/I
- Poster 12      Co-Current and Counter-Current Modes for Ethanol Steam Reforming Membrane  
Reactors  
F. Gallucci, A. Iulianelli, A. Basile, ITM-CNR, Rende/I
- Poster 13      Hydrogen Recovery from Ethanol Steam Reforming in a Dense Membrane Reactor:  
Simulation Study  
F. Gallucci, A. Iulianelli, A. Basile, ITM-CNR, Rende/I
- Poster 14      New LIMS Generation - Flexible Assistance for High Throughput Screening Data  
Management  
S. Holzmüller-Lae, Center for Life Science Automation, Rostock/D; B. Göde, K. Rimane,  
University of Rostock, Rostock/D; N. Stoll, Center for Life Science Automation,  
Rostock/D

- Poster 15 Application of Chemiluminescence NO<sub>x</sub> Analyzer as a High-Throughput Screening Tool in Selective Catalytic Reduction of NO<sub>x</sub>  
K.S. Oh, S.I. Woo, Korea Advanced Institute of Science and Technology, Daejeon/ROK
- Poster 16 Synthesis of New Polymorphs of beta Zeolite by Means of High-Throughput Techniques  
M. Moliner] M. J. Diaz-Cabañas, A. Cantin, J. L. Jorda, F. Rey, Universitat Politècnica, Valencia/E; A. Corma, Universitat Politècnica Valencia, Valencia/E
- Poster 17 Hydrogen Production by Methanol Steam Reforming Carried out in Traditional and Membrane Reactor: The Feed Molar Ratio Effect  
A. Iulianelli, F. Gallucci, ITM-CNR, Rende/I; A. Parmaliana, University of Messina, Messina/I; S. Tosti, ENEA, Frascati/I; A. Basile, ITM-CNR, Rende/I
- Poster 18 Heterogeneous Catalysis of the Hydrolysis of the Organophosphorothioate Compound, QUINALPHOS  
A. Esbata, University of Seventh of October, Misurata/LAR; B. Erwin, W. Gary, Queen's University, Kingston/CDN
- Poster 19 A High-Parallel Reaction System for Efficient Catalyst Research  
A. Allwardt, University Rostock, Rostock/D; Ch. Wendler, S. Holzmüller-Laue, Celisca, Rostock/D; N. Stoll, University Rostock, Rostock/D
- Poster 20 Architecture and Applications of the Analytical Information Markup Language (AnIML)  
B. Schaefer, BSSN Software, Mainz/D
- Poster 21 Visualization of Large Experimental Space Using Holographic Mapping and Artificial Neural Networks  
A. Tompos] J.L. Margitfalvi, Chemical Research Center, Budapest/H; L. Végvári, Meditor Bt., Kismaros/H; A. Hagemeyer, T.V. Volpe, Symyx Technologies, Santa Clara/USA
- Poster 22 High Temperature Parallel Screening of Catalysts for the Oxidative Coupling of Methane  
S. Haag, A. C. van Veen, C. Mirodatos, Institut de Recherches sur la Catalyse, Villeurbanne/F
- Poster 23 Combinatorial Discovery of new Mixed Metal Oxides Catalyst for Soot Oxidation  
N. Olong, Universität des Saarlandes, Saarbrücken/D
- Poster 24 High Throughput Search for New Mixed Oxide Catalysts for the Selective Combustion of Hydrocarbons in the Presence of CO  
P. Rajagopalan, Universität des Saarlandes, Saarbrücken/D; W.F Maier, Universität des Saarlandes, Saarbrücken/D
- Poster 25 Gold Catalysed Aqueous-Phase Oxidation of Bioethanol  
B. Jørgensen, J. Rass-Hansen, K. Egeblad, A. Riisager, C.H. Christensen, Technical University of Denmark, Kgs. Lyngby/DK
- Poster 26 High-Throughput Gas Phase Transient Reactor for Catalytic Material Characterization and Kinetic Studies  
A. Desmartin-Chomel, C. Daniel, G. Morra, E. Iojoiu, D. Farrusseng, C. Mirodatos, IRCELYON-CNRS, Villeurbanne/F; M. Krusche, AMTEC, Chemnitz/D
- Poster 27 OptiCat: An Open-Source Optimization Software for Library Design  
F. Clerc, D. Farrusseng, C. Mirodatos, IRCELYON-CNRS, Villeurbanne/D
- Poster 28 A MicroKinetic Engine for Metal and Acid Catalyzed Reactions  
J. Thybaut, P. Balasubramanian, G. Marin, Ghent University, Gent/B

- Poster 29 Transformation of M-Xylene on Dealuminated Hmordenites and HY Zeolites  
A. Benamar, A. Miloudi, University of Sciences and Technologie Houeri Boumediene, Alger/DZ; N.S. Gnep, M. Guisnet, Faculté des Sciences Fondamentales et Appliquées, Poitiers/F
- Poster 30 Interactions Metal-Support of the Catalysts Rh /SiO<sub>2</sub> , Rh /CeO<sub>2</sub> and Rh /ZrO<sub>2</sub>  
F. Sadi, University des Sciences et de la Technologie Houeri Boumediene, Alger/DZ; D. Duprez, F. Gerard, Université de Poitiers, Poitiers/F; A. Miloudi, University des Sciences et de la Technologie Houeri Boumediene, Alger/DZ
- Poster 31 Alumina/Aluminium Coated Autothermal Reformer Prepared by EPD Method  
L. Kim, S. Young Wook, K. Bu Ho, C. Jin Seong, C. Jong Shik, Pohang University of Science and Technology, Pohang/ROK
- Poster 32 High Throughput study of the 2,4-diaminotoluene methoxycarbonylation by zeolites  
A. Corma, H. García, R. Juárez, Instituto de Tecnología Química, Valencia/E; V. Ruiz Santa Quiteria, A. Padilla, Repsol YPF, Madrid/E
- Poster 33 Stage I and Stage II High Throughput Techniques for the development of mixed oxides DeNOx catalysts  
A. Martinez Joaristi, O.C. Gobin, M. Schwickardi, O. Busch, F. Schueth, MPI fuer Kohlenforschung, Muelheim an der Ruhr/D
- Poster 34 High Throughput study of the propylene oxide synthesis from isobutane and propene  
A. Corma, Instituto de Tecnología Química, Valencia/E; M.A. Serra, Instituto de Tecnología Química, Valencia/E; M. P. De Frutos, Repsol YPF, Madrid/E
- Poster 35 Development of Commercial Heterogeneous Catalysts using Automated High-Throughput Tools  
R. Mayer, K. Schimmer, T. Tacke, Degussa, Hanau/D; T. Geldbach, A. Abou-Hamdan, Chemspeed Technologies, Augst/CH
- Poster 36 High Throughput Kinetic Screening in Catalytic Process Development  
M. Gröting, Ruhr-University Bochum, Bochum/D; H.W. Zanthoff, J. Sauer, Degussa GmbH, Marl/D; D. Maschmeyer, Oxeno GmbH, Marl/D