

ICC 2012 - Poster Symposia

at the 15th International Congress on Catalysis (ICC 2012) we explore a new form of communication for more specialized topics.

Approximately 10 contributions selected as posters have been grouped to a thematic cluster in which participants interested in the topic can exchange and can share this with other participants. Selected posters are marked with the number of the poster symposia, e.g. PS.07.

Two conveners/organizes have been chosen that have the freedom to arrange a session (poster symposium) lasting 90 minutes.

The organizational form can be very flexible. It might be organized a more conventional with short presentations, but could also be arranged as roundtable discussion.

No	Symposia name	Day	Time	Room
PS.01	FT-Structure activity relations Chairs: E. Van Steen, University of Cape Town/ZA; A. Holmen, Norwegian Institute of Technology, Trondheim/N	Monday, July 2	10:50 - 12:30	11a
PS.02	Oxidative de-hydrogenation Chairs: A. Lemonidou, Aristotle University of Thessaloniki/GR; V. Cortes Corberan, C.S.I.C., Madrid/E	Monday, July 2	10:50 - 12:30	11b
PS.03	Friedel crafts and alkane alkylation Chairs: S.E. Park, Inha University, Incheon/KR; G. Mul, University of Twente, Enschede/NL	Monday, July 2	10:50 - 12:30	12a
PS.04	Epoxidation with Ti silicates Chairs: F. Bonino, University of Turin/I; F.S. Xiao, Zhengjiang University, Hangzhou/PRC	Monday, July 2	10:50 - 12:30	12b
PS.05	Hydrotreating catalysts: new solutions to old challenges Chairs: K. Smith, University of British Columbia, Vancouver/CA; A. Kuperman, Chevron Energy Research and Technology Company, Richmond, CA/USA	Monday, July 2	15:50 - 17:30	11a
PS.06	Methanol and direct DME synthesis Chairs: M. Behrens, Fritz-Haber-Institut der MPG, Berlin/D; D. Jackson, University of Glasgow/UK	Monday, July 2	15:50 - 17:30	11b
PS.07	Selective alcohol oxidation Chairs: I. Hermans, ETH Zurich/CH; Y. Wang, Pacific Northwest National Laboratory, Richland, WA/USA	Monday, July 2	15:50 - 17:30	12a
PS.08	Novel aspects of NO _x reduction (with NH ₃) Chairs: G. Fuentes, Universidad Autonoma Metropolitana – Iztapalapa, Mexico D.F./MX; E. Tronconi, Politecnico di Milano/I	Monday, July 2	15:50 - 17:30	12b
PS.09	Refoming of hydrocarbons to syngas Chairs: V. Sadykov, Boreskov Institute of Catalysis, Novosibirsk/RUS; F. Ribeiro, Purdue University, West Lafayette, IN/USA	Monday, July 2	17:50 - 19:30	11a
PS.10	BTX selective oxidation Chairs: R. Gläser, Universität Leipzig/D; M. Stockenhuber, University of Newcastle, Callaghan/AUS	Monday, July 2	17:50 - 19:30	11b
PS.11	Versatil TiO ₂ -based photocatalysts Chairs: J. Strunk, Ruhr-Universität Bochum/D; J. Schwank, University of Michigan, Ann Arbor, MI/USA	Monday, July 2	17:50 - 19:30	12a
PS.12	Towards understanding sulfide catalysts Chairs: R. Prins, ETH Zürich/CH; E. Payen, University of Sciences and Technologies of Lille/F	Monday, July 2	17:50 - 19:30	12b

PS.13	Manipulating FT product distribution	Tuesday, July 3	10:20 - 12:00	11a
Chairs:	M. Schmal, Federal University of Rio de Janeiro/BR; J.W. Niemantsverdriet, Eindhoven University/NL			
PS.14	Methanol to olefins	Tuesday, July 3	10:20 - 12:00	11b
Chairs:	U. Olsbye, University of Oslo/N; E. Hensen, Eindhoven University of Technology/NL			
PS.15	Imaging/local probes for catalyst characterization	Tuesday, July 3	10:20 - 12:00	12a
Chairs:	U. Heiz, TU München/D; M.J. Bowker, Cardiff University/UK			
PS.16	Hetero polyacids	Tuesday, July 3	10:20 - 12:00	12b
Chairs:	I. Kozhevnikov, University of Liverpool/UK; M. Landau, Ben-Gurion University of the Negev, Beer-Sheva/IL			
PS.17	Catalyst immobilization and flow systems	Tuesday, July 3	17:20 - 19:00	11a
Chairs:	D.J. Cole- Hamilton, University of St. Andrews/UK; W. Leitner, RWTH Aachen/D			
PS.18	Mechanistic aspects of the water-gas shift reaction	Tuesday, July 3	17:20 - 19:00	11b
Chairs:	L. Lefferts, University of Twente, Enschede/NL; E. Lombardo, Universidad Nacional del Litoral, Santa Fe/AR			
PS.19	CC-coupling/cleavage	Tuesday, July 3	17:20 - 19:00	12a
Chairs:	A. Jacobi von Wangelin, Universität Regensburg/D; T. Zhang, Chinese Academy of Sciences, Dalian/PRC			
PS.20	Catalysis in fuel cells	Tuesday, July 3	17:20 - 19:00	12b
Chairs:	C. Pak, Samsung Advanced Insitute of Technology, Yongin/KR; K. Eguchi, Kyoto University/J			
PS.21	Physicochemical effects influencing cracking	Wednesday, July 4	10:20 - 12:00	11a
Chairs:	R.F. Lobo, University of Delaware, Newark, DE/USA; M. Niwa, Tottori University, Nagakute/J			
PS.22	Metathesis reactions	Wednesday, July 4	10:20 - 12:00	11b
Chairs:	A. Trunschke, Fritz-Haber-Institut der MPG, Berlin/D; NN			
PS.23	Chemoselective hydrogenation	Wednesday, July 4	10:20 - 12:00	12a
Chairs:	A. Kogelbauer, Imperial College London/UK; G.-K. Chuah, National University Singapore/SGP			
PS.24	Degradation of pollutants through photocatalysis	Wednesday, July 4	10:20 - 12:00	12b
Chairs:	V. Keller, University of Strasbourg/F; P. Sermon, Brunel University, Uxbridge/UK			
PS.25	Hydrocracking hydroisomerization	Wednesday, July 4	13:20 - 15:00	11a
Chairs:	A. Borgna, Institute of Chemical and Engineering Sciences, Singapore/SGP; Z. Sobalik, J. Heyrovsky Institute of Physical Chemistry of ASCR, Prague/CZ			
PS.26	Hydroformylation and other reactions involving CO addition	Wednesday, July 4	13:20 - 15:00	11b
Chairs:	P. Wasserscheid, Universität Erlangen-Nürnberg/D; M. Cokoja, TU München/D			
PS.27	Enantioselective catalysis	Wednesday, July 4	13:20 - 15:00	12a
Chairs:	E. Pires, Universidad de Zaragoza/E; S. Jaenicke, National University of Singapore/SGP			

PS.28	Novel photocatalysts for hydrogen generation	Wednesday, July 4	13:20 - 15:00	12b
Chairs:	M. Wark, Ruhr Universität Bochum/D; S. Perathoner, University of Messina/I			
PS.29	Ruthenium Dioxide, a versatile oxidation catalyst in heterogeneous and electro-catalysis	Wednesday, July 4	17:20 - 19:00	11a
Chairs:	H. Over, Universität Gießen/D; M. Muhler, Ruhr-Universität Bochum/D			
PS.30	Chemistry of alcohols	Wednesday, July 4	17:20 - 19:00	11b
Chairs:	R. Davis, University of Virginia, Charlottesville, VA/USA; C. Sievers, Georgia Institute of Technology, Atlanta, GA/USA			
PS.31	Synchrotron methods for catalyst characterization	Wednesday, July 4	17:20 - 19:00	12a
Chairs:	S. Bare, UOP LLC a Honeywell Company, Des Plaines, IL/USA; B.M. Weckhuysen, University Utrecht/NL			
PS.32	Tailored Au and Au alloy particles	Wednesday, July 4	17:20 - 19:00	12b
Chairs:	C. Louis, Université Pierre et Marie Curie - UPMC, Paris/F; NN			
PS.33	Metal organic frameworks	Thursday, July 5	10:20 - 12:00	11a
Chairs:	M. Hartmann, Universität Erlangen-Nürnberg/D; D. Farrusseng, IRCELYON-CNRS, Villeurbanne/F			
PS.34	Conversion of triglyceride and fatty acids to fuels	Thursday, July 5	10:20 - 12:00	11b
Chairs:	V. Teixeira da Silva, Federal University of Rio de Janeiro/BR; D.E. Resasco, University of Oklahoma, Norman, OK/USA			
PS.35	First principle based modeling	Thursday, July 5	10:20 - 12:00	12a
Chairs:	K. Reuter, TU München/D; S. Linic, University of Michigan, Ann Arbor, MI/USA			
PS.36	Advanced characterization using NMR	Thursday, July 5	10:20 - 12:00	12b
Chairs:	J. Dedecek, Jaroslav Heyrovsky Institute of Physical Chemistry, Prague/CZ; L.F. Gladden, University of Cambridge/UK			
PS.37	Conversion of lignocellulosic biomass to fuels and chemicals	Thursday, July 5	15:20 - 17:00	11a
Chairs:	H. Liu, Peking University/PRC; F. Jentoft, University of Oklahoma, Norman, OK/USA			
PS.38	Lignin depolymerization and conversion of lignin model compounds	Thursday, July 5	15:20 - 17:00	11b
Chairs:	R. Palkovits, RWTH Aachen/D; D. Murzin, Åbo Akademi University, Turku/FIN			
PS.39	Selective hydrogenation of CO ₂	Thursday, July 5	15:20 - 17:00	12a
Chairs:	M. Landau, Ben-Gurion University of the Negev, Beer-Sheva/IL; K. Köhler, TU München, Garching/D			
PS.40	In situ methods for characterizing catalyst and reactions	Thursday, July 5	15:20 - 17:00	12b
Chairs:	E.E. Wolf, University of Notre Dame, IN/USA; C. Peden, Pacific Northwest National Laboratory, Richland, WA/USA			
PS.41	Steam reforming of alcohols	Thursday, July 5	17:20 - 19:00	11a
Chairs:	C. Chin, University of Toronto /CDN; K. Seshan, University Twente, Enschede/NL			

PS.42	Synthesis of organic carbonates	Thursday, July 5	17:20 - 19:00	11b
Chairs:	T.E. Müller, RWTH Aachen/D; B. Rieger, TU München/D			
PS.43	Advances in electron-microscopy	Thursday, July 5	17:20 - 19:00	12a
Chairs:	I. Arslan, Pacific Northwest National Laboratory, Richland, WA/USA; A. Datye, University of New Mexico, Albuquerque, NM/USA			
PS.44	Selective methane oxidation	Thursday, July 5	17:20 - 19:00	12b
Chairs:	H.H. Kung, Northwestern University, Evanston, IL/USA; NN			