EUROCORR 2008, 7 to 11 September 2008 in Edinburgh/UK

Monday, 8 September 2008			
	High Temperature Corrosion Processes		
Chair(s):	**M. Schütze, DECHEMA e.V., Frankfurt am Main/D**		
	Nr.	**Authors**	**Paper-Title**
11.00 - 11:25	1257	B. de Boer, ThyssenKrupp VDM, Werdohl/D	High alloyed stainless steels and nickel alloys for high temperature processes
11:25 - 11:50	1047	J. Rakowski, ATI Allegheny Ludlum, Natrona Heights, PA/USA	Elevated temperature deposit-induced corrosion of alloys for automotive exhaust components
11:50 - 12:15	1259	R. Naraparaju, V.B. Trindade, H.-J. Christ, University of Siegen/D; U. Krupp, FH Osnabrück/D	Effect of shot-peening on the high-temperature oxidation behaviour of a boiler steel. Experimental results and simulation.
12:15 - 12:40	1234	M. Schmitt, MPI für Eisenforschung GmbH, Düsseldorf/D; M. Spiegel, Salzgitter Mannesmann Forschung GmbH, Duisburg/D	Analysis of the corrosion process of metallic materials exposed in lab-scale facilities under simulated incineration conditions and by means of computational fluid dynamics (CFD)
12:40 - 14:00	**Lunchtime**		
14:00 - 14:25	1258	S.C. van Lith, F.J. Frandsen, Technical University of Denmark, Lyngby/DK; M. Montgomery, Vattenfall AS, Odense/DK and DONG Energy, Copenhagen/DK and Technical University of Denmark, Lyngby/DK; T. Vilhelmsen, Vattenfall AS, Odense/DK; S.A. Jensen, DONG Energy, Copenhagen/DK	Lab-scale investigation of deposit-induced chlorine corrosion of superheater materials under simulated biomass-firing conditions
14:25 - 14.50	1289	P. Viklund, R. Pettersson, Swerea KIMAB, Stockholm/S; A. Hjörnhede, Vattenfall Power Consultant, Göteborg/S; P. Henderson, Vattenfall Research and Development AB, Stockholm/S; P. Sjövall, SP Technical Research Institute of Sweden, Borås/S	The effect of a sulphur-containing additive on the initial corrosion of superheater tubes in a waste-fired boiler
14:50 - 15:15	1501	B. Rammer, T. Weber, M. Schütze, DECHEMA e.V., Frankfurt am Main/D	Diffusion coatings for aggressive high-temperature process environments
15:15 - 15:40	1166	R. Pettersson, Swerea KIMAB, Stockholm/S; J. Storesund, Inspecta, Stockholm/S; M. Nordling, Swerea KIMAB, Stockholm/D	Corrosion of overlay weld cladding on waterwalls of a waste-fired CFB boiler
15:40 - 16:15	**Coffee Break**		
16:15 - 16:40	1172	**NEW:** B. Waldmann, D. Schrupp-Heidelberger, B. Stöcker, F. Haider, S. Horn, University of Augsburg/D; R. Warnecke, Gemeinschaftskraftwerk Schweinfurt/D	Corrosion monitoring in Waste to Energy (WTE) plants
16:40 - 17:05	1274	M.A. Luna, Electric Research Institute, Cuernavaca/MEX; A. Martínez, Centro de Investigación en Materiales Avanzados, Chihuahua/MEX; J.G. González, Universidad Autónoma del Estado de Morelos, Cuernavaca/MEX; J.G. Chacón, Centro de Investigación en Materiales Avanzados, Chihuahua/MEX	Molten salt corrosion of FeAl and Fe_3Al intermetallics with addition of Ni, Ce and Li
17:05 - 19:30	**Poster Discussion / Poster Party**		

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	Nr.	**Authors**	**Paper-Title**
09:55 - 10:20	1147	N. Boukis, W. Habicht, E. Hauer, K. Weiss, E. Dinjus, Forschungszentrum Karlsruhe GmbH/D	Corrosion behavior of Ni-base alloys and stainless steels in supercritical water containing potassium hydrogen carbonate
10:20 - 10:45	1237	M. Montgomery, Technical University of Denmark, Lyngby/DK; S.A. Jensen, F. Rasmussen, Dong Energy, Copenhagen/DK; T. Vilhelmsen, Vattenfall AS, Odense/DK	Fireside corrosion and steamside oxidation of 9-12% Cr ferritic steels exposed for long term testing
10:45 - 11:20	**Coffee Break**		
11:20 - 11:45	1281	S. Harjac, BHP Billiton, Townsville/AUS; D. Keen, Quest Reliability Ltd., Brisbane/AUS; A. Macraild, Connell Wagner Pty Ltd., Brisbane/AUS	Hot spot related high temperature hydrogen attack of secondary reformer vessel in ammonia gas plant
11:45 - 12:10	1067	C.G.M. Hermse, J.C. van Wortel, TNO Science and Industry, Eindhoven/NL	Metal dusting: what determines the degradation rate?
12:10 - 12:35	1305	S. Matsumoto, Y. Nishiyama, Sumitomo Metal Industries Ltd., Amagasaki/J; H. Matsuo, Sumitomo Metal Industries Ltd., London/UK	Improving metal dusting resistance by Cu addition to Ni-base alloy for syngas production plants
12:35 - 14:00	**Lunchtime**		
14:00 - 14:25	1477	C. Geers, T. Weber, M. Schütze, DECHEMA e.V., Frankfurt am Main/D	New approach for the inhibition of carbon deposition on steel surfaces under metal dusting conditions
14:25 - 14:50	1006	A. Babakr, A. Al Ahmari, SABIC Technology Center, Jubail/SAR	Failure investigation of ethylene furnace radiant tube
14:50 - 15:15	1466	S.J. Mabbutt, N.J. Simms, J.E. Oaky, Cranfield University, Beds/UK	High temperature corrosion monitoring by electrochemical noise techniques
15:15 - 15:40	1068	G. Sreedhar, V.S. Raja, Indian Institute of Technology, Mumbai/IND; D. Dhimant, Plasma Spray Processors, Mumbai/IND	A study on thermal cycle life and electrochemical impedance response of plasma sprayed functionally graded thermal barrier coatings
15:40 - 16:15	**Coffee Break**		
16:15 - 16:40	1390	B. Tepe, B. Gunay, University of Ulster, Co. Antrim/UK	Corrosion protection by powder coating for high temperature applications
16:40 - 17:05	1339	H. Pokhmurska, B. Wielage, T. Grund, University of Technology, Chemnitz/D; M. Student, V. Pokhmurskii, National Academy of Sciences of Ukraine, Lviv/UA	High temperature oxidation behavior of coatings obtained by arc spraying cored wires based on the Fe-Cr-B-Al system
17:05 - 17:30	1260	S. Burk, B. Gorr, University of Siegen/D; V.B. Trindade, Vallourec & Mannesmann Tubes, Düsseldorf/D; U. Krupp, University of Applied Sciences, Osnabrück/D; H.-J. Christ, University of Siegen/D	High temperature oxidation of multiphase Mo-Si-B-X systems
17:30 - 17:55		WP 3: Corrosion by Hot Gases and Combustion Products - Working Party Business Meeting (approx. 1 hr)	