



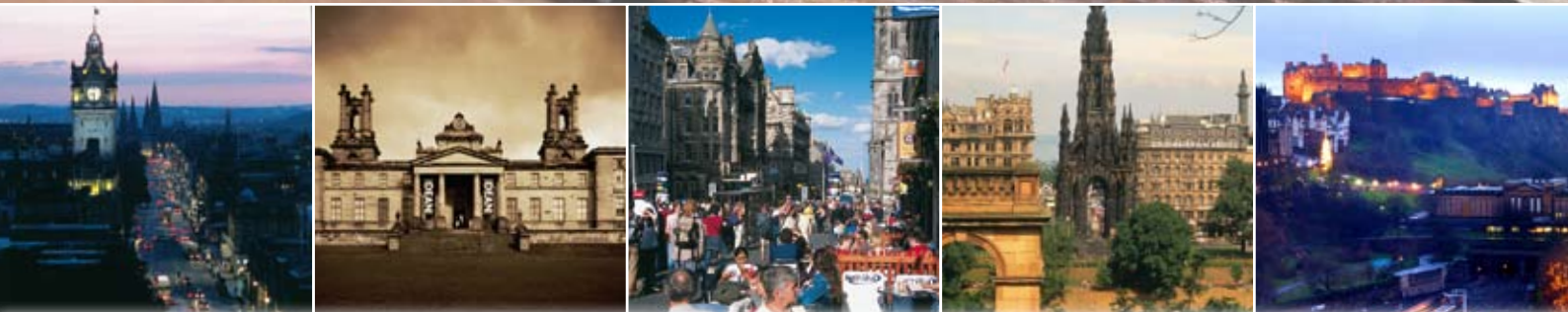
# EUROCORR 2008

THE EUROPEAN CORROSION CONGRESS

»Managing Corrosion for Sustainability«



European Federation of Corrosion · Event No. 299



7 – 11 September 2008

Edinburgh International Conference Centre · United Kingdom

[www.eurocorr.org](http://www.eurocorr.org)

## FINAL PROGRAMME (AS OF 22 AUGUST 2008)



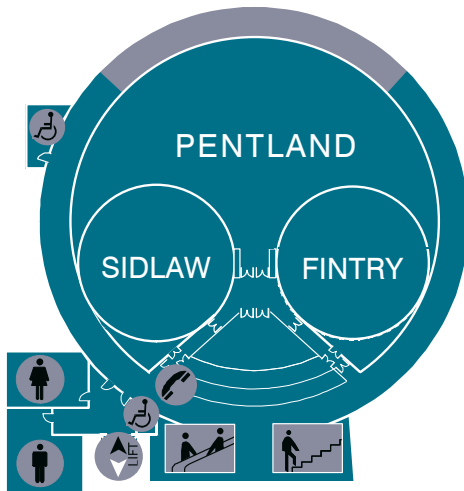
**Bodycote** TESTING GROUP

## ORAL SESSIONS

### LEVEL 3

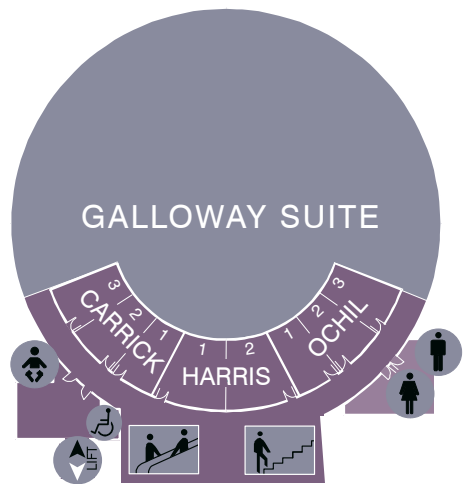
#### Opening Session, Invited Plenary Lectures, Closing Session

- Advances in Corrosion Protection by Organic Coatings (Scantlebury-Symposium)
- Coatings
- Corrosion in Oil and Gas Production
- Corrosion Mechanisms and Methods
- Corrosion of Polymer Materials
- Joint NACE/EFC-Workshop: State of the Art
- Joint Session: Local Characterisation of Corrosion Processes
- Metallic Coatings
- Microbial Corrosion



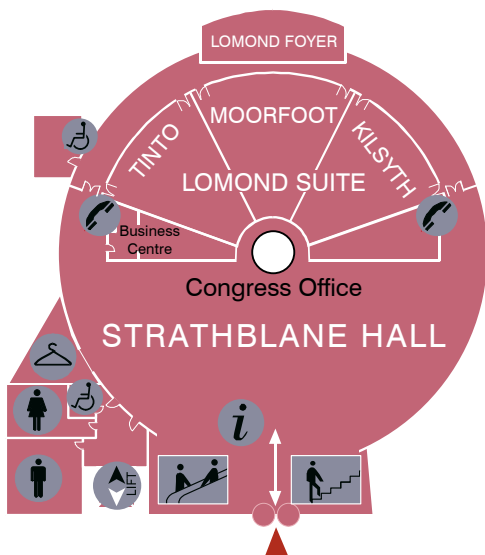
### LEVEL 1

- 49th Corrosion Science Symposium
- Cathodic Protection
- Corrosion of Steel in Concrete
- Ethanol Biofuel Corrosion
- Infrastructure Maintenance and Asset Management: Tribocorrosion: Erosion-Corrosion and Biotribology
- Joint Workshop EFC-CEOCOR: Buried Pipelines
- Light Alloys in Transportation
- Marine Corrosion
- Refinery - Naphthenic Acid Corrosion
- Refinery Inspection - Monitoring
- Refinery Process Corrosion
- WCO-Workshop: Needs for Corrosion Research to Solve Global Future Problems
- Workshop Corrosion under Insulation Case Studies
- Workshop on Pitting Corrosion
- WP 15 Business Meeting



### LEVEL 0

- Automotive Corrosion
- Corrosion Inhibition
- High Temperature Corrosion Processes
- Joint Session: Corrosion Inhibition in Oil and Gas Production
- Managing Corrosion for Sustainability
- Nuclear Industries and Waste Disposal
- Workshop on Computer Modelling in Corrosion
- Workshop on Marine Corrosion: Optimising the Performance of Copper Base Alloys in Sea Water Piping Systems
- WP 13 Business Meeting
- WP 19 Business Meeting



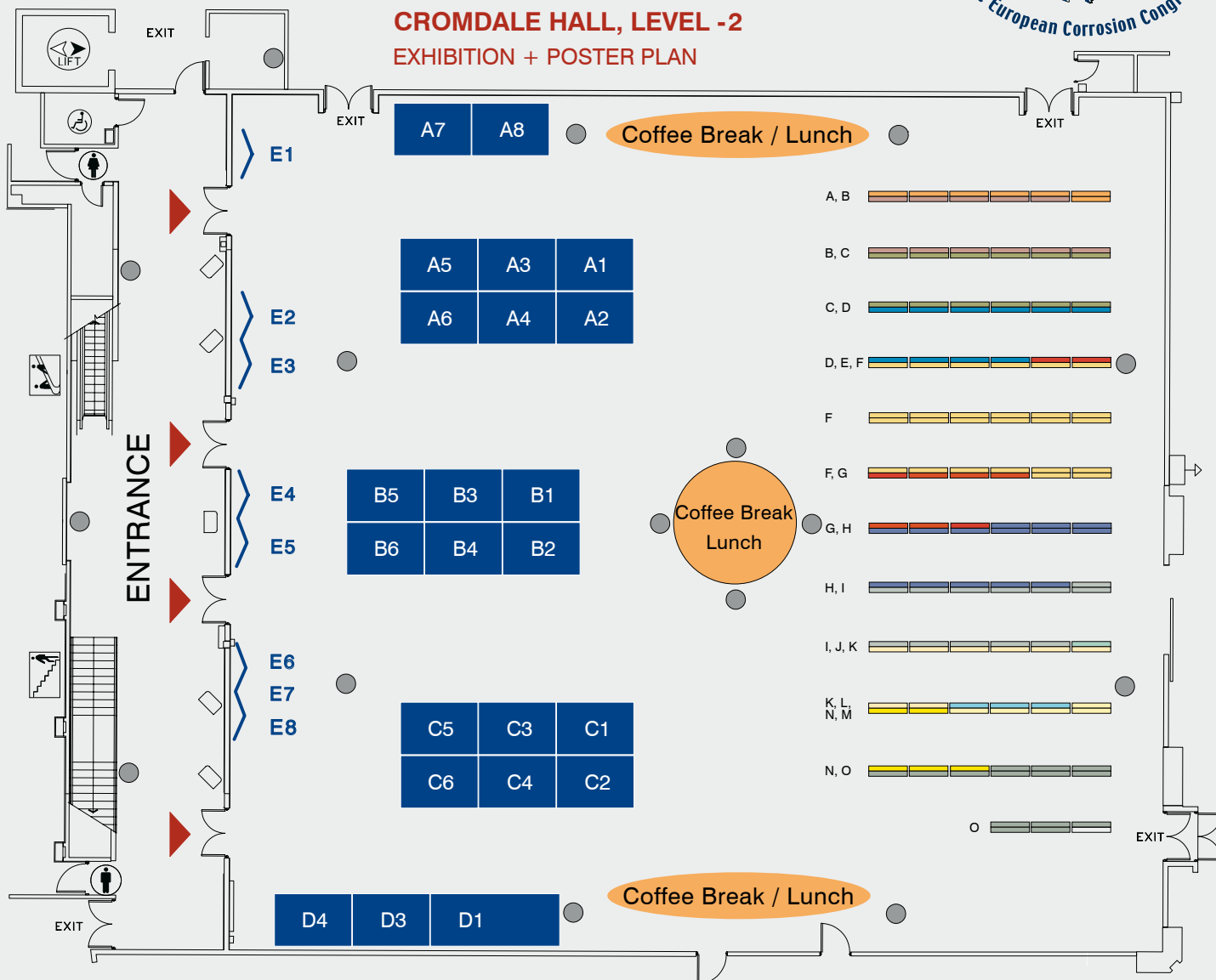
MAIN ENTRANCE

# EUROCORR 2008

7 - 11 September, EICC, Edinburgh/UK



## CROMDALE HALL, LEVEL -2 EXHIBITION + POSTER PLAN



### EXHIBITORS:

Accoat A/S, Kvistgaard/DK  
 ACM Instruments, Cark-in-Cartmel/UK  
 Alicona Imaging GmbH, Grambach/A  
 Autolab Instruments + Windsor Scientific, Utrecht/NL  
 Bodycote Testing Group, Manchester/UK  
 BIO-LOGIC SAS, Claix/F  
 CAPCIS Ltd., Manchester/UK  
 Cormet Ltd., Helsinki/FIN  
 DECHEMA e.V., Frankfurt a.M./D  
 EFC - European Federation of Corrosion,  
 Frankfurt a.M./D, London/UK, Paris/F  
 Gamry Instruments Inc., Warminster, PA/USA  
 GfKORR e.V., Frankfurt a.M./D  
 Grillo-Werke AG, Duisburg/D  
 Haynes International France, Cergy-Pontoise/F  
 Hockway Ltd., Redhill Surrey/UK  
 Honeywell Control Systems Ltd., Bracknell/UK  
 iicorr Ltd., Aberdeen/UK  
 Ingenieurbüro Peter Schrems, Münster/D  
 Institute of Corrosion, Bedfordshire/UK  
 ION Science Ltd, Cambridge/UK  
 KRÜSS GmbH (France), Palaiseau/F  
 Maney Publishing, Leeds/UK  
 NACE International, Houston, TX/USA  
 Pepperl + Fuchs GmbH, Mannheim/D  
 Poligrat GmbH, München/D  
 The Institute of Materials, Minerals and Mining, London/UK  
 The Institute of Metal Finishing, Birmingham/UK  
 Thermo Scientific NITON Analyzers, München/D  
 Winn & Coales (Denso) Ltd, London/UK  
 WCO - World Corrosion Organisation, Morristown, NJ/USA

A 1  
 C 1  
 B 5  
 D 3  
 C 2  
 A 7  
 A 4  
 C 4  
 E 8  
 E 6  
 C 3  
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 B 6  
 A 8  
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 A 6  
 C 6  
 D 1  
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 E 3  
 B 1  
 A 3  
 E 4  
 E 5  
 B 4  
 B 2  
 E 2

### POSTER TOPICS:

A Corrosion in the Petroleum Industries  
 B Marine Corrosion, Cathodic Protection and Microbial Corrosion  
 C Infrastructure Maintenance and Asset Management  
 D High Temperature Corrosion Processes  
 E Nuclear Industries and Waste Disposal  
 F Corrosion Mechanisms and Methods including  
 Local Characterisation of Corrosion Processes  
 G Coatings  
 H Corrosion Inhibition, Nano-Coatings and Smart Coatings  
 I Polymers, Coatings and Corrosion in Transport  
 J Managing Corrosion for Sustainability  
 K Metallic Coatings  
 L Workshop on Pitting Corrosion  
 M Light Alloys in Transportation  
 N Workshop on Computer Modelling in Corrosion  
 O 49th Corrosion Science Symposium

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## Conference Site

EICC - Edinburgh International Conference Centre  
 The Exchange  
 150 Morrison Street  
 EH3 8EE Edinburgh/UK  
 Internet: [www.eicc.co.uk](http://www.eicc.co.uk)

## Congress Office

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 The Exchange  
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 Internet : [www.eurocorr.org](http://www.eurocorr.org)

## Office Hours

Sunday, 7 September 2008	16:00 – 19:00
Monday, 8 September 2008	08:00 – 19:30
Tuesday, 9 September 2008	08:30 – 18:30
Wednesday, 10 September 2008	08:30 – 17:30
Thursday, 11 September 2008	08:30 – 14:00

## Exhibition

EUROCORR Exhibition Office  
 at EICC - Edinburgh International Conference Centre  
 Ms. Karin Bambach  
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 Internet : [www.eurocorr.org](http://www.eurocorr.org)

### Exhibition Opening Hours:

Sunday, 7 September 2008:	16:30 – 19:00
Monday, 8 September 2008:	10:00 – 19:30
Tuesday, 9 September 2008:	10:00 – 17:30
Wednesday, 10 September 2008:	10:00 – 17:30
Thursday, 11 September 2008:	10:00 – 13:30

## List of Exhibitors (as of 22 August 2008)

*Please find the list of exhibitors at the backpage of the programme.*

✦ Change of author or lecture

Sunday, 7 September 2008

16:30 - 19:00	Registration and Welcome Reception			
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Monday, 8 September 2008

Lecture Hall	Pentland (Level 3)			
09:00 - 09:15	Opening Session: S.B. Lyon, University of Manchester/UK; M. Schütze, DECHEMA e.V., Frankfurt am Main/D			
09:15 - 09:30	Welcome Address: Michael Russell MSP, Minister for Environment, The Scottish Parliament, Edinburgh/UK			
09:30 - 09:45	Cavallaro Medal Award Presentation			
09:45 - 10:30	INVITED PLENARY LECTURE: M. Schütze/D			
10:30 - 11:00	Coffee Break			
Lecture Hall	Tinto (Level 0)	Fintry (Level 3)	Moorfoot (Level 0)	Carrick (Level 1)
	<b>WS on Computer Modelling in Corrosion</b>	<b>Joint NACE/EFC - Workshop: State of the Art</b>	<b>High Temperature Corrosion Processes</b>	<b>Joint Workshop EFC-CEOCOR: Buried Pipelines</b>
11:00 - 11:25	Marcus/F	Szklarz/CDN	de Boer/D	Roche/F
11:25 - 11:50	Das/J	Chitwood TX/USA	Rakowski PA/USA	
11:50 - 12:15	Parlongue/B ✦	Francis/UK	Naraparaju/D	Martinez/HR
12:15 - 12:40	Desgranges/F	Neville/UK	Schmitt/D	Lukacs/H
12:40 - 14:00	Lunchtime			
	<b>WS on Computer Modelling in Corrosion</b>	<b>Corrosion in Oil and Gas Production</b>	<b>High Temperature Corrosion Processes</b>	<b>Joint Workshop EFC-CEOCOR: Buried Pipelines</b>
14:00 - 14:25	Ferreira Gorjão/B	Mendibide/F	van Lith/DK	Fumei/I ✦
14:25 - 14:50	Hoffmeister/D	Cassagne/F	Viklund/S	Vernet/F
14:50 - 15:15	Kim/ROK	Kobayashi/J	Weber/D	Nielsen/DK
15:15 - 15:40	Maeng/ROK	Langrill/UK	Pettersson/S	Fontaine/F, Jacobs/F ✦
15:40 - 16:15	Coffee Break			
16:15 - 16:40	Vuillemin/F	Mannan WV/USA	Waldmann/D ✦	Hussain/D
16:40 - 17:05	Croll ND/USA ✦	Cancelled ✦	Luna/MEX	Legghe/F
Lecture Hall	Cromdale Hall			
17:05 - 19:30	Poster Discussion / Poster Party			

Tuesday, 9 September 2008

Lecture Hall	Pentland (Level 3)			
09:00 - 09:45	INVITED PLENARY LECTURE: D. Young/AUS			
09:45 - 09:55	Break for Changing Lecture Hall			
Lecture Hall	Tinto (Level 0)	Fintry (Level 3)	Moorfoot (Level 0)	Carrick (Level 1)
	<b>WS on Computer Modelling in Corrosion</b>	<b>Corrosion in Oil and Gas Production</b>	<b>High Temperature Corrosion Processes</b>	<b>Cathodic Protection</b>
09:55 - 10:20	Amri/F	Smanio/F	Boukis/D	Wigen/N
10:20 - 10:45	Vankeerberghen/B	Larsen/N	Montgomery/DK	Du/PRC
10:45 - 11:20	Coffee Break			
11:20 - 11:45	Amimer/UK	Kivisäkk/S	Harjac/AUS	Grolleau/F
11:45 - 12:10	Warkus/D	Zheng/UK	Hermse/NL	Vittonato/F
12:10 - 12:35	L'Hostis/F	Clements/UK	Matsuo/J ✦	Britton TX/USA
12:35 - 14:00	Lunchtime			
	<b>Nuclear Industries and Waste Disposal</b>	<b>Corrosion in Oil and Gas Production</b>	<b>High Temperature Corrosion Processes</b>	<b>Cathodic Protection</b>
14:00 - 14:25	Yamamoto/F	Johnsen/N	Geers/D	Lyublinski OH/USA
14:25 - 14:50	Francon/F	Cancio/RA	Al Ahmari/SAR	Lukacs/H
14:50 - 15:15	Kim/ROK	Berntsen/N	Mabbutt/UK	Tremolada/I
15:15 - 15:40	Perrin/F	Ramachandran TX/USA	Sreedhar/IND	Sergi/UK
15:40 - 16:15	Coffee Break			
	<b>Nuclear Industries and Waste Disposal</b>	<b>Corrosion in Oil and Gas Production</b>	<b>High Temperature Corrosion Processes</b>	<b>Marine Corrosion</b>
16:15 - 16:40	Ritter/CH	Chevrot/F ✦	Tepe/UK	Johnsen/N
16:40 - 17:05	Couvant/F	Barakat/UK	Pokhmurska/D	Marchebois/F
17:05 - 17:30	Schunk/H		Burk/D	Wharton/UK
17:30 - 17:55			WP 3: Corrosion by Hot Gases and Combustion Products - Business Meeting (approx. 1 hr)	Nakayama/J
17:55				

## Sunday, 7 September 2008

Registration and Welcome Reception	16:30 - 19:00
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## Monday, 8 September 2008

Pentland (Level 3)					Lecture Hall
Opening Session: S.B. Lyon, University of Manchester/UK; M. Schütze, DECHEMA e.V., Frankfurt am Main/D					09:00 - 09:15
Welcome Address: Michael Russell MSP, Minister for Environment, The Scottish Parliament, Edinburgh/UK					09:15 - 09:30
Cavallaro Medal Award Presentation					09:30 - 09:45
INVITED PLENARY LECTURE: M. Schütze/D					09:45 - 10:30
Coffee Break					10:30 - 11:00
Kilsyth (Level 0)	Pentland (Level 3)	Sidlaw (Level 3)	Harris (Level 1)	Ochil (Level 1)	Lecture Hall
Corrosion Inhibition	Corrosion Mechanisms & Methods	Coatings	Corrosion in the Refinery Industry	49th Corrosion Science Symposium	
Garcia/NL	Monnier/F ✦	Woodcock/UK	WP 15: Corrosion in the Refinery Industry – Business Meeting	Benfer/D	11:00 - 11:25
Schmitt/D	Hernandez Hernandez/MEX	Shchukin/D ✦		Phan/UK	11:25 - 11:50
Foret/F	Eremias/CZ	Classen/D		Alsarrat/UK	11:50 - 12:15
Telegdi/H	Sonnleitner/A	Battocchi ND/USA		Cordner/UK	12:15 - 12:40
Lunchtime					12:40 - 14:00
Corrosion Inhibition	Corrosion Mechanisms & Methods	Coatings	Workshop on Corrosion under Insulation Case Studies	49th Corrosion Science Symposium	
Kuznetsov/RUS	Öhman/S	Plagemann/D	Fitzgerald/UK	Nie/UK	14:00 - 14:25
Abdul Rahim/MAL	Chapaneri/UK	Poelman/B	Scanlan/UK	Monir/UK	14:25 - 14:50
Amalraj/IND	Lavigne/F	Allahar ND/USA	de Bruyn/N ✦	Sherratt/UK	14:50 - 15:15
Thanjekwayo/ZA	Miserque/F	Olivier/B ✦	Discussion	Ghahari/UK	15:15 - 15:40
Coffee Break					15:40 - 16:15
Osman/MAL		Bastos/P		Cook/UK	16:15 - 16:40
Abdul Rahim/MAL		Schem/D		Aburas/UK	16:40 - 17:05
Cromdale Hall					Lecture Hall
Poster Discussion / Poster Party					17:05 - 19:30

## Tuesday, 9 September 2008

Pentland (Level 3)					Lecture Hall
INVITED PLENARY LECTURE: D. Young/AUS					09:00 - 09:45
Break for Changing Lecture Hall					09:45 - 09:55
Kilsyth (Level 0)	Pentland (Level 3)	Sidlaw (Level 3)	Harris (Level 1)	Ochil (Level 1)	Lecture Hall
Corrosion Inhibition	Corrosion Mechanisms & Methods	Coatings	Corrosion of Steel in Concrete	49th Corrosion Science Symposium	
Traisnel/F	Mendibide/F	Del Frari/L	Lyublinski OH/USA	Groysman/IL	09:55 - 10:20
Lagrenée/F	Ibrahim/F	Serra/P	Prenger/D	Al Shater/UK	10:20 - 10:45
Coffee Break					10:45 - 11:20
Koehler/D	Volovitch/F ✦	de Wit/NL	Schiegg/CH	Gnefid/UK	11:20 - 11:45
Ghalebsaz-Jeddi/IR	Ouerd/F	Terry/B	Pereira/P	Rezig/UK	11:45 - 12:10
WP 1: Corrosion and Scale Inhibition – Business Meeting (approx. 1 hr)	Igual Muñoz/E	Fedel/I	Rafiq/UK	Zhang/UK	12:10 - 12:35
Lunchtime					12:35 - 14:00
Joint Session: Corrosion Inhibition in Oil and Gas Production	Corrosion Mechanisms & Methods	Coatings	Corrosion of Steel in Concrete	49th Corrosion Science Symposium	
Cancelled ✦	Minzari/DK	Weidmann/D	Bruns/D	Bennett/UK	14:00 - 14:25
Cocozza/UK	Sarmiento Klapper/D	Lamaka/P ✦	Eichler/D	Premalil/ZA	14:25 - 14:50
Bosenberg/AUS	Trasatti/I	Tabrizian/DK	Duffo/RA	Warren/UK	14:50 - 15:15
Cancelled ✦	Cancelled ✦	Andreeva/D	Beck/D	Gobara/UK	15:15 - 15:40
Coffee Break					15:40 - 16:15
Joint Session: Corrosion Inhibition in Oil and Gas Production	Corrosion Mechanisms & Methods	Coatings	Corrosion of Steel in Concrete	49th Corrosion Science Symposium	
Hinds/UK	Novák/CZ	Hausbrand/B	Peelen/NL	Lloyd/UK	16:15 - 16:40
Andersen/N	Allahar ND/USA	Akid/UK ✦	Serdar/HR	Makama/UK	16:40 - 17:05
Lame/AL	Battocchi ND/USA	Tepe/UK	L'Hostis/F ✦	Mabbett/UK	17:05 - 17:30
Lyublinski OH/USA		WP 14: Coatings – Business Meeting (approx. 1.5 hrs)	Vennesland/N	AGM of the Institute of Corrosion - Corrosion Science Division	17:30 - 17:55
			WP 11: Corrosion of Steel in Concrete – Business Meeting (approx. 1 hr)	WP 7: Corrosion Education and Computer Applications - Business Meeting (approx. 1 hr)	17:55

✪ Change of author or lecture

Wednesday, 10 September 2008

Lecture Hall	Pentland (Level 3)			
09:00 - 09:45	INVITED PLENARY LECTURE: R.C. Newman/CDN			
09:45 - 09:55	Break for Changing Lecture Hall			
Lecture Hall	Tinto (Level 0)	Carrick (Level 1)	Sidlaw (Level 3)	Fintry (Level 3)
	<b>Nuclear Industries and Waste Disposal</b>	<b>Refinery Process Corrosion</b>	<b>Coatings</b>	<b>Joint Session: Local Characterisation of Corrosion Processes</b>
09:55 - 10:20	Wintergerst/F	Eaton TX/USA	Gelling ND/USA	Terryn/B
10:20 - 10:45	Rouillard/F	Matsuo/UK	Campbell/UK	Lamaka/P
10:45 - 11:20	Coffee Break			
	<b>Nuclear Industries and Waste Disposal</b>	<b>Refinery Process Corrosion</b>	<b>Coatings</b>	<b>Joint Session: Local Characterisation of Corrosion Processes</b>
11:20 - 11:45	Gessi/I	Vagapov/RUS ✪	Zubillaga/E	Mary/F
11:45 - 12:10	Tinnes/UK	Haug/D	Laskos/A	Yasakau/P
12:10 - 12:35	Nakayasu/J	de Freitas/BR	Trueba/I	Simões/P
12:35 - 14:00	Lunchtime			
	<b>Nuclear Industries and Waste Disposal</b>	<b>Refinery Process Corrosion</b>	<b>Corrosion of Polymer Materials</b>	<b>Microbial Corrosion</b>
14:00 - 14:25	Saheb/F	Lyublinski OH/USA	Rabaud/F	KEYNOTE: Christie/UK
14:25 - 14:50	Torres/E	Fleury/F	Sanchez/F	Little MS/USA
		<b>Ethanol Biofuel Corrosion</b>		
14:50 - 15:15	Stevens/UK ✪	Albistur-Goñi/E	Adams/D	Starosvetsky/IL
15:15 - 15:40	Fairweather/UK	Troßmann/D	Heinemann/D	Campbell/UK
15:40 - 16:15	Coffee Break			
	<b>Nuclear Industries and Waste Disposal</b>	<b>Refinery Inspection - Monitoring</b>	<b>Corrosion of Polymer Materials</b>	<b>Microbial Corrosion</b>
16:15 - 16:40	Atkinson/UK	De Bruyn/N	Weltschev/D	Maxwell/UK
16:40 - 17:05	Jendras/D	Dean/UK	Berlanga-Labari/E	Ito/J ✪
17:05 - 17:30	WP 4: Nuclear Corrosion – Business Meeting Part 1 (approx. 2 hrs)	Holdefer/D	Jeffersen/AUS	WP 10: Microbial Corrosion – Business Meeting (approx. 1 hr)
20:00 - 24:00	Congress Dinner at the “Hub”			

Thursday, 11 September 2008

Lecture Hall	Pentland (Level 3)			
09:00 - 09:45	INVITED PLENARY LECTURE: G.S. Franke/ OH/USA			
09:45 - 09:55	Break for Changing Lecture Hall			
Lecture Hall	Tinto (Level 0)	Carrick (Level 1)	Sidlaw (Level 3)	Harris (Level 1)
	<b>Automotive Corrosion</b>	<b>Refinery - Naphthenic Acid Corrosion</b>	<b>Advances in Corrosion Protection by Organic Coatings (Scantlebury-Symposium)</b>	<b>WCO-Workshop: Needs for Corrosion Research to Solve Global Future Problems</b>
09:55 - 10:20	Farias/NL	Chambers TX/USA	Sonke/NL	Schmitt/D
10:20 - 10:45	Costa/P	Invernizzi/I	Vuillemin/F	Ropital/F
10:45 - 11:10	Song/ROK ✪	Groysman/IL	Tanygin/RUS	Isecke/D
11:10 - 11:45	Coffee Break			
11:45 - 12:10	LeBozec/F	Claesen/B	Sykes/UK	Marcus/F
12:10 - 12:35	KEYNOTE: Blücher/D	Babić-Samardžija TX/USA	Lyon/UK ✪	Féron/F
12:35 - 13:00	Szala/D	Owen/UK ✪	Shifted to Coatings ✪	Schütze/D
13:00 - 13:25	Park/ROK			Eliezer/IL
13:25 - 13:35	Break for Changing Lecture Hall			
13:35 - 13:50	Closing Remarks			
ca. 13:50	End of Scientific Programme			



Wednesday, 10 September 2008

Pentland (Level 3)					Lecture Hall
INVITED PLENARY LECTURE: R.C. Newman/CDN					09:00 - 09:45
Break for Changing Lecture Hall					09:45 - 09:55
Kilsyth (Level 0)	Ochil (Level 1)	Pentland (Level 3)	Harris (Level 1)	Moorfoot (Level 0)	Lecture Hall
<b>Managing Corrosion for Sustainability</b>	<b>Light Alloys in Transportation</b> Corrosion of Aluminium Alloys	<b>Metallic Coatings</b>	<b>Workshop on Pitting Corrosion</b>	<b>Corrosion of Polymer Materials</b>	
Duncan/UK	Davenport/UK	KEYNOTE: Bozzini/I	Akid/UK	WP 19: Corrosion of Polymer Materials – Business Meeting (8:00 a.m. to 12:00 a.m.)	09:55 - 10:20
Sutherland/USA	Oltra/F ✦	Koleva/NL	Williams/UK		10:20 - 10:45
Coffee Break					10:45 - 11:20
<b>Managing Corrosion for Sustainability</b>	<b>Light Alloys in Transportation</b> Corrosion of Aluminium Alloys	<b>Metallic Coatings</b>	<b>Workshop on Pitting Corrosion</b>	<b>Corrosion in Oil and Gas Production</b>	
Diguet/F	Zhan/NL	Shoeb/ET	Davenport/UK	WP 13: Corrosion in Oil and Gas Production – Business Meeting (11:20 - 16:30)	11:20 - 11:45
Tang/UK	Akid/UK	Harris/UK	Jarrah/F		11:45 - 12:10
Kreislova/CZ	Oltra/F ✦	Volovitch/F	Saithala/UK		12:10 - 12:35
Lunchtime					12:35 - 14:00
<b>Managing Corrosion for Sustainability</b>	<b>Light Alloys in Transportation</b> Corrosion of Magnesium / Surface Treatment and Coating of Magnesium	<b>Metallic Coatings</b>	<b>Workshop on Pitting Corrosion</b>	<b>Corrosion in Oil and Gas Production</b>	
Hovestad/NL	Jönsson/S	Wilcox/UK	Sykes/UK	WP 13: Corrosion in Oil and Gas Production – Business Meeting (11:20 - 16:30)	14:00 - 14:25
			<b>Infrastructure Maintenance and Asset Management: Tribocorrosion: Erosion-Corrosion and Biotribology</b>		
Meck IN/USA	Williams/UK	Mol/NL	Haberl/A		14:25 - 14:50
<b>Workshop on Marine Corrosion: Optimising the Performance of Copper Base Alloys in Sea Water Piping Systems</b>					
Francis/UK	Matykina/UK	Feser/D	Bargmann/UK		14:50 - 15:15
Smith/UK	Hack/D	Thierry/F	Shoeb/ET		15:15 - 15:40
Coffee Break					15:40 - 16:15
<b>Workshop on Marine Corrosion: Optimising the Performance of Copper Base Alloys in Sea Water Piping Systems</b>	<b>Light Alloys in Transportation</b> Surface Treatment and Coating of Magnesium / Surface Treatment and Coating of Aluminium	<b>Metallic Coatings</b>	<b>Infrastructure Maintenance and Asset Management: Tribocorrosion: Erosion-Corrosion and Biotribology</b>		
Nicklin/UK	Andreata/I	Bellezze/I	Mischer/CH ✦		16:15 - 16:40
Campbell/UK Beech/UK	Santamaria/I	Mohedano/F	Yan/UK		16:40 - 17:05
Oakley/UK Galsworthy/UK	Rohdal/N	Flores/UK			17:05 - 17:30
Congress Dinner at the "Hub"					20:00 - 24:00

Thursday, 11 September 2008

Pentland (Level 3)					Lecture Hall b
INVITED PLENARY LECTURE: G.S. Frankel OH/USA					09:00 - 09:45
Break for Changing Lecture Hall					09:45 - 09:55
Kilsyth (Level 0)	Ochil (Level 1)	Fintry (Level 3)	Moorfoot (Level 0)		Lecture Hall
<b>Workshop on Marine Corrosion: Optimising the Performance of Copper Base Alloys in Sea Water Piping Systems</b>	<b>Light Alloys in Transportation</b> Surface Treatment and Coatings of Aluminium / Fatigue of Titanium	<b>Metallic Coatings</b>	<b>WP 4 Nuclear Corrosion</b>		
Mawella/UK	Zhou/UK	KEYNOTE: Ryder/UK	WP 4 Business Meeting and Task Forces 10.00 - approx. 12:30		09:55 - 10:20
Stokes/UK	Giskeødegård/N	Cobley/UK			10:20 - 10:45
Grolleau/F	Ben-Hamu/IL	Hovestad/NL			10:45 - 11:10
Coffee Break					11:10 - 11:45
Schmitt/D		Saghi Beyragh/IR			11:45 - 12:10
WP 9: Marine Corrosion - Business Meeting (approx. 1,5 hrs)		Harris/UK ✦			12:10 - 12:35
		Espallargas/N			12:35 - 13:00
		Sumon/UK			13:00 - 13:25
Break for Changing Lecture Hall					13:25 - 13:35
Closing Remarks					13:35 - 13:50
End of Scientific Programme					ca. 13:50

Monday, 8 September 2008

Lecture Hall	Pentland (Level 3)	
09:00 - 09:15	Opening Session: S.B. Lyon, University of Manchester/UK; M. Schütze, DECHEMA e.V., Frankfurt am Main/D	
09:15 - 09:30	Welcome Address: Michael Russell MSP, Minister for Environment, The Scottish Parliament, Edinburgh/UK	
09:30 - 09:45	Cavallaro Medal Award Presentation	
09:45 - 10:30	<b>INVITED PLENARY LECTURE</b> <b>Progress in corrosion protection as a requirement for technical progress</b> <b>M. Schütze, DECHEMA e.V., Frankfurt am Main/D</b>	
10:30 - 11:00	Coffee Break	
Lecture Hall	Tinto (Level 0)	Fintry (Level 3)
	<b>Workshop on Computer Modelling in Corrosion</b>	<b>Joint NACE/EFC-Workshop: State of the Art</b>
Chair(s)	<i>R.A. Cottis, University of Manchester/UK; M. Vankeerberghen, SCK•CEN, Mol/B</i>	<i>C. Fowler, Bodycote Materials Testing Ltd., Dudley/UK</i>
11:00 - 11:25	<b>Atomistic modeling and simulation of the corrosion and oxidation of stainless steels</b> <i>P. Marcus, Y.-A. Beh, B. Diawara, École Nationale Supérieure de Chimie de Paris/F</i>	<b>The DCB test</b> <i>K. Szklarz, Shell Canada Ltd., Calgary/CDN</i>
11:25 - 11:50	<b>Quantum chemical molecular dynamics study of strain effect on metal and oxide interface interaction at high temperature</b> <i>N. Das, K. Suzuki, Y. Takeda, K. Ogawa, T. Shoji, Tohoku University, Sendai/J</i>	<b>The Super 13% Cr experience</b> <i>G. Chitwood, Halliburton Energy Services, Dallas, TX/USA</i>
11:50 - 12:15	<b>3D BEM and FEM simulations applied to stray current interference problems. A unique coupling mechanism that takes the best of both methods</b> <i>L. Bortels, J. Parlougue, Elsyca NV, Wjgmaal/B</i>	<b>Lean Duplex</b> <i>R. Francis, Weir Materials and Foundries, Manchester/UK</i>
12:15 - 12:40	<b>Ekinox (evaluation kinetics oxidation): an advanced model for calculating scale growth and chemical evolution in the substrate</b> <i>C. Desgranges, C. Toffolon-Masclat, CEA Saclay, Gif-sur-Yvette/F; N. Bertrand, AREVA-NP, Le Creusot/F; D. Poquillon, D. Monceau, CIRIMAT, Toulouse/F</i>	<b>Advances in corrosion prediction</b> <i>A. Neville, Leeds University/UK</i>
12:40 - 14:00	Lunchtime	
	<b>Workshop on Computer Modelling in Corrosion</b>	<b>Corrosion in Oil and Gas Production</b>
Chair(s)	<i>R.A. Cottis, University of Manchester/UK; M. Vankeerberghen, SCK•CEN, Mol/B</i>	<i>S. Olsen, Statoil Research Centre, Trondheim/N; T. Chevrot, Total S.A., Paris-La Défense/F</i>
14:00 - 14:25	<b>Interpretation of predictions following a local model and possibilities of generalization. Application to the case study of an artificial intelligence sensor to predict environment corrosivity</b> <i>P. Ferreira Gorião, W.F. Bogaerts, Katholieke Universiteit Leuven/B; M. Embrechts, Rensselaer Polytechnic Institute, Troy, NY/USA; B. Heyns, Katholieke Universiteit Leuven/B</i>	<b>Improvement of the SSC resistance of high strength steels for drill collars through composition optimization</b> <i>C. Mendibide, T. Sourmail, Ascometal CREAS, Hagondange/F</i>
14:25 - 14:50	<b>Modeling the effects of nuclear environments on crevice corrosion of pure chromium by coupling of phase and polarization behavior</b> <i>H. Hoffmeister, ISSV e.V., Hamburg/D</i>	<b>Understanding field failures of alloy 718 forging materials in HP/HT wells</b> <i>T. Cassagne, M. Bonis, TOTAL S.A., Pau/F; D. Hillis, TOTAL E&amp;P UK PLC, Aberdeen/UK; C. Duret, CORREX, Fraisses/F</i>
14:50 - 15:15	<b>Computer simulation of H<sub>2</sub> effects on electrochemical corrosion potential in the reactor coolant circuit of pressurized water</b> <i>H. Kim, Korea Hydro &amp; Nuclear Power Co., Daejeon/ROK; D. Macdonald, Pennsylvania State University, University Park, PA/USA</i>	<b>The effect of environmental factors on SSC susceptibility of high strength low alloy steel</b> <i>K. Kobayashi, T. Omura, Sumitomo Metal Industries, Ltd., Amagasaki/J; M. Ueda, Sumitomo Metal Industries, Ltd., Wakayama/J</i>
15:15 - 15:40	<b>Analysis of the effect of acetic acid on the stress corrosion cracking of 3.5NiCrMoV turbine steels in high temperature water using CEFM (Coupled Environment Fracture Model)</b> <i>W. Maeng, Korea Atomic Energy Research Institute, Daejeon /ROK; D. Macdonald, Pennsylvania State University, University Park, PA/USA</i>	<b>Advances in sour service material for recent North Sea HPHT wells</b> <i>C. Langrill, Vallourec Group, Aberdeen/UK; J. Leyer, H. Marchebois, Vallourec Group, Aulnoye-Aymeries/F; F. Bernard, Vallourec Group, Paris/F</i>
15:40 - 16:15	Coffee Break	
16:15 - 16:40	<b>Local electrochemical probing and computational approach of bimetallic corrosion</b> <i>F. Thebault, R. Oltra, B. Vuillemin, Université de Bourgogne, Dijon/F; K. Ogle, École Nationale Supérieure de Chimie de Paris/F</i>	<b>Corrosion resistance and mechanical properties of alloy 945</b> <i>S. Mannan, Special Metals Corporation, Huntington, WV/USA</i>
16:40 - 17:05	<b>Simulation of transient electrochemical impedance spectroscopy</b> <i>B. Hinderliter, S. Croll, North Dakota State University, Fargo, ND/USA</i>	<b>Operational boundaries for martensitic and duplex stainless steels in H<sub>2</sub>S environments</b> <i>R. Kane, Honeywell International, Houston, TX/USA</i>
Cancelled		
Lecture Hall	Cromdale Hall	
17:05 - 19:30	Poster Discussion / Poster Party	

Monday, 8 September 2008

Pentland (Level 3)		Lecture Hall
Opening Session: S.B. Lyon, University of Manchester/UK; M. Schütze, DECHEMA e.V., Frankfurt am Main/D		09:00 - 09:15
Welcome Address: Michael Russell MSP, Minister for Environment, The Scottish Parliament, Edinburgh/UK		09:15 - 09:30
Cavallaro Medal Award Presentation		09:30 - 09:45
<b>INVITED PLENARY LECTURE</b> <b>Progress in corrosion protection as a requirement for technical progress</b> <b>M. Schütze, DECHEMA e.V., Frankfurt am Main/D</b>		09:45 - 10:30
		Coffee Break 10:30 - 11:00
Moorfoot (Level 0)	Carrick (Level 1)	Lecture Hall
<b>High Temperature Corrosion Processes</b>	<b>Joint Workshop EFC-CEOCOR: Buried Pipelines</b>	
<i>M. Schütze, DECHEMA e.V., Frankfurt am Main/D</i>	<i>M. Roche, Total S.A., Paris-La Défense/F</i>	<i>Chair(s)</i>
<b>High alloyed stainless steels and nickel alloys for high temperature processes</b> B. de Boer, ThyssenKrupp VDM, Werdohl/D	<b>A comparison of standards and practices for assessing external corrosion prevention of buried pipelines</b> M. Roche, Total S.A., Paris-La Défense/F	11:00 - 11:25
<b>Elevated temperature deposit-induced corrosion of alloys for automotive exhaust components</b> J. Rakowski, ATI Allegheny Ludlum, Natrona Heights, PA/USA		11:25 - 11:50
<b>Effect of shot-peening on the high-temperature oxidation behaviour of a boiler steel. Experimental results and simulation.</b> R. Naraparaju, V.B. Trindade, H.-J. Christ, University of Siegen/D; U. Krupp, FH Osnabrück/D	<b>Assessment of CP effectiveness on PE tape coated buried pipeline by external corrosion direct examination</b> S. Martinez, L. Valek, F. Kapor, University of Zagreb/HR	11:50 - 12:15
<b>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)</b> M. Schmitt, MPI für Eisenforschung GmbH, Düsseldorf/D; M. Spiegel, Salzgitter Mannesmann Forschung GmbH, Duisburg/D	<b>Evaluation of disbanded and shielding effects from the results of CIPS measurements</b> Z. Lukacs, Indexon Ltd. P., Szeged/H	12:15 - 12:40
		Lunchtime 12:40 - 14:00
<b>High Temperature Corrosion Processes</b>	<b>Joint Workshop EFC-CEOCOR: Buried Pipelines</b>	
<i>M. Schütze, DECHEMA e.V., Frankfurt am Main/D</i>	<i>M. Roche, Total S.A., Paris-La Défense/F</i>	<i>Chair(s)</i>
<b>Lab-scale investigation of deposit-induced chlorine corrosion of superheater materials under simulated biomass-firing conditions</b> 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	<b>AC corrosion: risk assessment on buried pipelines</b> L. Di Biase, ISPROMA SrL, Rome/I; R. Cigna, ISPROMA SrL, Milan/I; O. Fumej, ATECHMA, Paris/F	14:00 - 14:25
<b>The effect of a sulphur-containing additive on the initial corrosion of superheater tubes in a waste-fired boiler</b> 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	<b>New method and device for stray currents control</b> P. Lambert, Société des Transports Pétroliers par Pipelines, Paris/F; G. Huss, Société des Transports Pétroliers par Pipelines, Gennevilliers/F; J.M. Vernet, A2S2, Signes/F	14:25 - 14:50
<b>Diffusion coatings for aggressive high-temperature process environments</b> B. Rammer, T. Weber, M. Schütze, DECHEMA e.V., Frankfurt am Main/D	<b>Consequences of AC/DC interference on pipeline cathodic protection criteria</b> L.V. Nielsen, M.B. Petersen, MetriCorr ApS, Glostrup/DK	14:50 - 15:15
<b>Corrosion of overlay weld cladding on waterwalls of a waste-fired CFB boiler</b> R. Pettersson, Swerea KIMAB, Stockholm/S; J. Storesund, Inspecta, Stockholm/S; M. Nordling, Swerea KIMAB, Stockholm/D	<b>Validation tests of measuring tools giving back directly the <math>E_{off}</math> potential of a coupon</b> P. France, S. Fontaine, S. Jacobs, GRTgaz, Compiègne/F	15:15 - 15:40
		Coffee Break 15:40 - 16:15
<b>Corrosion monitoring in Waste to Energy (WTE) plants</b> B. Waldmann, D. Schrupp-Heidelberger, B. Stöcker, F. Haider, S. Horn, University of Augsburg/D; R. Warnecke, Gemeinschaftskraftwerk Schweinfurt/D	<b>Comparative characterization of FBE powder coatings for gas/oil transmission pipelines buried under soil</b> U. Majeed, University of Punjab, Lahore/PK; A. Hussain, Comtech GmbH, Munich/D; M.A. Butt, I.H. Khan, University of Punjab, Lahore/PK	16:15 - 16:40
<b>Molten salt corrosion of FeAl and Fe<sub>3</sub>Al intermetallics with addition of Ni, Ce and Li</b> 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	<b>Study of the adhesion of three-layer pipeline coatings</b> E. Legghe, E. Aragon, L. Belec, A. Margaillan, Université de Toulon et du Var, La Valette du Var/F; D. Melot, M. Roche, Total S.A., Paris-La Défense/F	16:40 - 17:05
<b>Cromdale Hall</b>		<b>Lecture Hall</b>
Poster Discussion / Poster Party		17:05 - 19:30

Monday, 8 September 2008

Lecture Hall	Pentland (Level 3)	
09:00 - 09:15	Opening Session: S.B. Lyon, University of Manchester/UK; M. Schütze, DECHEMA e.V., Frankfurt am Main/D	
09:15 - 09:30	Welcome Address: Michael Russell MSP, Minister for Environment, The Scottish Parliament, Edinburgh/UK	
09:30 - 09:45	Cavallaro Medal Award Presentation	
09:45 - 10:30	<b>INVITED PLENARY LECTURE</b> <b>Progress in corrosion protection as a requirement for technical progress</b> <b>M. Schütze, DECHEMA e.V., Frankfurt am Main/D</b>	
10:30 - 11:00	Coffee Break	
Lecture Hall	Kilsyth (Level 0)	Pentland (Level 3)
	<b>Corrosion Inhibition</b>	<b>Corrosion Mechanisms and Methods</b>
Chair(s)	<i>G. Schmitt, IFINKOR-Institute for Maintenance and Corrosion Protection Technology gGmbH, Iserlohn/D</i>	<i>P. Marcus, École Nationale Supérieure de Chimie de Paris/F; J.M.C. Mol, Delft University of Technology/NL</i>
11:00 - 11:25	<b>Development and validation of a fast scanning technique for anticorrosive inhibitor selection</b> <i>S.J. Garcia, Delft University of Technology/NL; T.H. Muster, CSIRO Materials Science and Engineering, Clayton/AUS; J.M.C. Mol, Delft University of Technology/NL; A.E. Hughes, T. Harvey, N. Sherman, S. Hardin, P. Corrigan, D. Lau, P.A. White, M. Glenn, J. Mardel, CSIRO Materials Science and Engineering, Clayton/AUS; H. Terryn, Vrije Universiteit Brussel/B; J.H.W. De Wit, Delft University of Technology/NL</i>	<b>Long term indoor atmospheric corrosion of iron. Localisation of cathodic reaction sites on 500 years old samples</b> <i>J. Monnier, P. Dillmann, P. Berger, Laboratoire Pierre Süe, Gif-sur-Yvette/F; I. Guillot, Institut de Chimie et de Matériaux de Paris Est, Thiais/F</i>
11:25 - 11:50	<b>Online wavelet diagnosis of electrochemical current noise for evaluation of critical inhibitor concentrations</b> <i>G. Schmitt, IFINKOR-Institute for Maintenance and Corrosion Protection Technology gGmbH, Iserlohn/D; B. Motko, Iserlohn University of Applied Sciences/D</i>	<b>Factors affecting SCC susceptibility of modified 13Cr martensitic stainless steels</b> <i>P. Hernandez Hernandez, Instituto Mexicano del Petroleo, Distrito Federal/MEX; R.A. Cottis, University of Manchester/UK; R.C. Newman, University of Toronto/CDN</i>
11:50 - 12:15	<b>Study of efficiency and stability of film forming amines (FFA) for the corrosion protection of the carbon steel in water circuits</b> <i>C. Foret, G. Stoianovici, G. Chaussec, BKG France SAS, Arnage/F; A. de Bache, C. zum Kolk, W. Hater, BK Giulini GmbH, Düsseldorf/D</i>	<b>Slip-dissolution model of stress corrosion crack growth and possibilities of its application for evaluation of stress corrosion cracking susceptibility of duplex stainless steels in hydrogen sulfide-chloride environments at 120°C</b> <i>B. Eremias, V. Janik, V. Cihal, E. Kalabisova, SVUOM Ltd., Prague/CZ</i>
12:15 - 12:40	<b>Surface analytical characterization of alkyl-phosphonate thin layers on passive iron surface</b> <i>A. Paszternak, I. Felhosi, Z. Paszti, E. Kuzmann, A. Vertes, J. Telegdi, E. Kalman, Hungarian Academy of Sciences, Budapest/H</i>	<b>Corrosion fatigue of solution annealed austenitic stainless steels</b> <i>R. Sonnleitner, G. Mori, M. Panzenböck, University of Leoben/A; R. Fluch, S. Eglsäer, Böhler Edelstahl GmbH &amp; Co. KG, Kapfenberg/A</i>
12:40 - 14:00	Lunchtime	
	<b>Corrosion Inhibition</b>	<b>Corrosion Mechanisms and Methods</b>
Chair(s)	<i>G. Schmitt, IFINKOR-Institute for Maintenance and Corrosion Protection Technology gGmbH, Iserlohn/D</i>	<i>P. Marcus, École Nationale Supérieure de Chimie de Paris/F; J.M.C. Mol, Delft University of Technology/NL</i>
14:00 - 14:25	<b>On passivation of iron by anions of sodium mefenamate, fluphenamate and their compositions with sodium oleate</b> <i>Ya. Bober, Yu. Kuznetsov, N. Andreeva, L. Kazansky, Russian Academy of Sciences, Moscow/RUS</i>	<b>Spectro-electrochemical studies of surface treated metal / polymer interfaces upon exposure to an electrolyte solution</b> <i>M. Öhman, D. Persson, Swerea KIMAB, Stockholm/S</i>
14:25 - 14:50	<b>Transformation of rust in the presence of mangrove (<i>Rhizophora apiculata</i>) tannins and phosphoric acid</b> <i>A. Abdul Rahim, M. Jain Kassim, University Sains Malaysia, Penang/MAL; E. Rocca, J. Steinmetz, Université Henri Poincaré, Nancy/F</i>	<b>A high resolution X-ray photoelectron spectroscopy study of chromium conversion coatings and compounds</b> <i>R. Chapaneri, G.W. Critchlow, G.D. Wilcox, I. Sutherland, Loughborough University/UK; G. Beamson, Daresbury Laboratory, Warrington/UK; A. Chojnicki, T. Pearson, T. Rowan, MacDermid PLC, Birmingham/UK</i>
14:50 - 15:15	<b>Synergistic effect of sodium nitrite-Zn<sup>2+</sup> system</b> <i>S. Rajendran, M. Vimala, M. Kanagamani, J. Arockia Selvi, S.A. Kanimozhi, GTN Arts College, Dindigul/IND; A.J. Amalraj, Loyola College, Chennai/IND; B. Narayanasamy, Thiagarajar College of Engineering, Madurai/IND</i>	<b>Stainless steel passive film modification by electrochemically cerium insertion</b> <i>O. Lavigne, C. Alemany-Dumont, B. Normand, INSA Lyon, Villeurbanne/F; P. Delichère, UCLB - CNRS, Lyon/F</i>
15:15 - 15:40	<b>The effect of selected plant extracts on the corrosion behavior of duplex stainless steels</b> <i>J. Potgieter, Manchester Metropolitan University/UK; P. Olubambi, N. Thanjekwayo, University of the Witwatersrand, Johannesburg/ZA</i>	<b>X-ray photoelectron spectroscopy study of oxide film formed on Ni-base alloys in pressurized water reactor primary conditions</b> <i>L. Marchetti, S. Perrin, O. Raquet, F. Miserque, CEA Saclay, Gif-sur-Yvette/F; M. Pijolat, École Nationale Supérieure des Mines, Saint Etienne/F</i>
15:40 - 16:15	Coffee Break	
16:15 - 16:40	<b>Synthesised Schiff bases as a potential corrosion inhibitor of aluminium</b> <i>H. Osman, S. Abd Hamid, M.H. Hussin, L.P. Yee, A. Abdul Rahim, N. Mohd Hashim, M.H. Al-Douh, S. Yahya, University Sains Malaysia, Penang/MAL</i>	
16:40 - 17:05	<b>Mangrove (<i>Rhizophora apiculata</i>) tannins as a potential corrosion inhibitor for aluminium in acidic medium</b> <i>A. Abdul Rahim, R. Adnan, S. Yahya, University Sains Malaysia, Penang/MAL</i>	
Lecture Hall	Cromdale Hall	
17:05 - 19:30	Poster Discussion / Poster Party	

Monday, 8 September 2008

Pentland (Level 3)		Lecture Hall
Opening Session: S.B. Lyon, University of Manchester/UK; M. Schütze, DECHEMA e.V., Frankfurt am Main/D		09:00 - 09:15
Welcome Address: Michael Russell MSP, Minister for Environment, The Scottish Parliament, Edinburgh/UK		09:15 - 09:30
Cavallaro Medal Award Presentation		09:30 - 09:45
<b>INVITED PLENARY LECTURE</b> <b>Progress in corrosion protection as a requirement for technical progress</b> <b>M. Schütze, DECHEMA e.V., Frankfurt am Main/D</b>		09:45 - 10:30
		Coffee Break 10:30 - 11:00
Sidlaw (Level 3)	Harris (Level 1)	Lecture Hall
<b>Coatings</b>	<b>Corrosion in the Refinery Industry</b>	
<i>L. Fedrizzi, University of Udine/I; W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D</i>		Chair(s)
<b>Use of electrochemical noise method and electrochemical impedance spectroscopy for investigation of a set of organic primers</b> D.J. Mills, University of Northampton/UK; C.P. Woodcock, Liquid Plastics Limited, Preston/UK	<b>WP 15: Corrosion in the Refinery Industry - Business Meeting</b>	11:00 - 11:25
<b>Self-healing anticorrosion coatings based on nanocontainers with sensitive polyelectrolyte shell</b> D. Shchukin, D. Fix, D. Andreeva, H. Möhwald, MPI of Colloids and Interfaces, Golm/D		11:25 - 11:50
<b>The influence of nano-scaled barium sulfates and titanium dioxides on the corrosion resistance of paints</b> A. Classen, Sachtleben Chemie GmbH, Duisburg/D		11:50 - 12:15
<b>The effect of residual chromate pre-treatment on the electrochemical behavior of Mg-rich primer</b> D. Battocchi, K. Allahar, G. Bierwagen, North Dakota State University, Fargo, ND/USA		12:15 - 12:40
		Lunchtime 12:40 - 14:00
<b>Coatings</b>	<b>Workshop on Corrosion under Insulation Case Studies</b>	
<i>L. Fedrizzi, University of Udine/I; W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D</i>	<i>F. Ropital, Institut Français du Pétrole, Vernaison/F; S. Winnik, ExxonMobil Chemical Company, Southampton/UK</i>	Chair(s)
<b>Modified Zn pigments for corrosion protective coatings for aluminium alloys</b> P. Plagemann, J. Weise, A. Zockoll, Fraunhofer IFAM, Bremen/D	<b>A corrosion under insulation prevention strategy - experience with an approach aligned with the EFC WP 13 and WP 15 corrosion under insulation guideline</b> B. Fitzgerald, ExxonMobil Chemical Company, Baytown, TX/USA; S. Winnik, ExxonMobil Chemical Company, Southampton/UK	14:00 - 14:25
<b>Study of the correlation between UV ageing and the corrosion resistance of prepainted galvanized steel</b> M. Poelman, Materia Nova, Mons/B; J. Mallégo, ArcelorMittal Research Liège SCRL/B; M.-G. Olivier, Faculté Polytechnique de Mons/B	<b>A refinery approach to address corrosion under insulation &amp; external corrosion</b> R. Scanlan, R. Valbuena, I. Harrison, ConocoPhillips Company, South Killingholme/UK	14:25 - 14:50
<b>Embedded electrodes for EIS monitoring of organic coatings without the substrate as an electrode</b> K. Allahar, Q. Su, G. Bierwagen, North Dakota State University, Fargo, ND/USA	<b>Risk-based approach to CUI protection of austenitic stainless steel</b> H. De Bruyn, Borealis Group Services AS, Stathelle/N	14:50 - 15:15
<b>Influence of the curing conditions and the pigment volume concentration of a cataphoretic coating on the mechanical properties and the corrosion performances on metallic substrates</b> A.-P. Romano, M.-G. Olivier, Faculté Polytechnique de Mons/B	<b>Discussion and conclusion of the Workshop and the WP 15 Business Meeting</b>	15:15 - 15:40
		Coffee Break 15:40 - 16:15
<b>Comparing strategies to probe self-healing of defects in coated metals</b> A.C. Bastos, O. Karavai, M.L. Zheludkevich, M.G.S. Ferreira, Universidade de Aveiro/P		16:15 - 16:40
<b>The use of Al<sub>2</sub>O<sub>3</sub>-micro containers for storage of corrosion inhibitors</b> M. Schem, T. Schmidt, H. Caparrotti, M. Aslan, M. Wittmar, M. Veith, Leibniz Institut für Neue Materialien GmbH, Saarbrücken/D		16:40 - 17:05
Cromdale Hall		Lecture Hall
Poster Discussion / Poster Party		17:05 - 19:30

## Monday, 8 September 2008

Lecture Hall	Pentland (Level 3)
09:00 - 09:15	Opening Session: S.B. Lyon, University of Manchester/UK; M. Schütze, DECHEMA e.V., Frankfurt am Main/D
09:15 - 09:30	Welcome Address: Michael Russell MSP, Minister for Environment, The Scottish Parliament, Edinburgh/UK
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09:45 - 10:30	<b>INVITED PLENARY LECTURE</b> Progress in corrosion protection as a requirement for technical progress M. Schütze, DECHEMA e.V., Frankfurt am Main/D
10:30 - 11:00	Coffee Break
Lecture Hall	Ochil (Level 1)
	<b>49th Corrosion Science Symposium</b>
<i>Chair(s)</i>	<i>G. Hinds, Institute of Corrosion, Bedfordshire/UK and National Physical Laboratory, Teddington/UK</i>
11:00 - 11:25	<b>Corrosion properties of a new free machining titanium alloy</b> S. Benfer, DECHEMA e.V., Frankfurt am Main/D; P. Jencus, C. Siemers, J. Rösler, Technical University of Braunschweig/D; W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D
11:25 - 11:50	<b>Effects of environmental factors on the atmospheric induced stress corrosion cracking (AISCC) of Type 304 stainless steel</b> D. Phan, University of Manchester/UK
11:50 - 12:15	<b>Hydrogen embrittlement susceptibility of super duplex stainless steels</b> J. Alsarrat, M.J. Robinson, Cranfield University/UK
12:15 - 12:40	<b>Heat transfer corrosion of stainless steel in nitric acid</b> B. Corder, N. Stevens, University of Manchester/UK
12:40 - 14:00	Lunchtime
14:00 - 14:25	<b>Crevice corrosion solution analysis by capillary electrophoresis using a contactless conductivity detector</b> M. Nie, A. Cranny, J.A. Wharton, N. Harris, R.J.K. Wood, University of Southampton/UK; K.R. Stokes, DSTL Porton Down, Salisbury/UK
14:25 - 14:50	<b>Synchrotron studies of artificial pits in iron</b> M. Monir, University of Birmingham/UK
14:50 - 15:15	<b>Ferromagnetic resonance as a tool for detection of corrosion on steel reinforcing bars</b> S.L. Sherratt, L.J. North, N.J. Cassidy, P.W. Haycock, Keele University/UK; S.R. Hoon, Manchester Metropolitan University/UK
15:15 - 15:40	<b>Synchrotron studies of stainless steel pitting</b> M. Ghahari, University of Birmingham/UK
15:40 - 16:15	Coffee Break
16:15 - 16:40	<b>Pit stability criteria for aluminium and implications for the mechanism of tunneling corrosion</b> A. Cook, University of Manchester/UK; N. Laycock, S. White, Industrial Research Ltd., Lower Hutt/NZ; R. Newman, University of Toronto/CA
16:40 - 17:05	<b>Influence of excimer laser surface melting on anodising of AA2024-T351 alloy</b> Z. Aburas, F. Viejo, T. Hashimoto, Y. Yuan, Z. Liu, P. Skeldon, G.E. Thompson, University of Manchester/UK
Lecture Hall	Cromdale Hall
17:05 - 19:30	Poster Discussion / Poster Party

Tuesday, 9 September 2008

Pentland (Level 3)		Lecture Hall
<b>INVITED PLENARY LECTURE</b> Self-organising corrosion phenomena: a nanoscale examination D. Young, University of New South Wales, Sydney/AUS		09:00 - 09:45
Break for Changing Lecture Hall		
<b>Workshop on Computer Modelling in Corrosion</b> R.A. Cottis, University of Manchester/UK; M. Vankeerberghen, SCK•CEN, Mol/B		09:45 - 09:55
Tinto (Level 0)	Fintry (Level 3)	Lecture Hall
<b>Workshop on Computer Modelling in Corrosion</b> R.A. Cottis, University of Manchester/UK; M. Vankeerberghen, SCK•CEN, Mol/B		09:55 - 10:20
<b>Computer simulation of a single pit in CO<sub>2</sub> corrosion in the presence of acetic acid</b> J. Amri, Institute For Energy Technology, Kjeller/N and Grenoble INP/F; E. Gulbrandsen, Institute For Energy Technology, Kjeller/N; R.P. Nogueira, Grenoble INP/F	<b>Wet hydrogen sulfide cracking monitoring by acoustic emission</b> V. Smanio, Total S.A., Pau/F; J. Kittel, Institut Français du Pétrole, Lyon/F; M. Frégonèse, INSA-Lyon/F; T. Cassagne, Total S.A., Pau/F; F. Ropital, Institut Français du Pétrole, Lyon/F; B. Normand, INSA-Lyon/F	10:20 - 10:45
<b>Finite element calculations in support of stress corrosion crack propagation</b> M. Vankeerberghen, S.Gavrilov, SCK•CEN, Mol/B; G. Nelissen; Vrije Universiteit Brussel/B; B. Martens, Universiteit Gent/B; G. Weyns, J. Deconinck, Vrije Universiteit Brussel/B	<b>Crevice corrosion of super duplex steel tubes in sub sea umbilicals</b> E.E. Skavås, M.H. Larsen, S. Karlsten, Nexans Norway AS, Halden/N	10:45 - 11:20
Coffee Break		
<b>Physicochemical modelling of flow accelerated corrosion by numerical calculations with comsol multiphysics software</b> A. Amimer, University of Manchester/UK; D. Noel, Electricité de France, Moret-sur-Loing/F; N. Stevens, University of Manchester/UK	<b>Sandvik SAF 3207 HD® - a new hyper duplex stainless steel for umbilicals</b> U. Kivisäkk, A. Juhlin, P. Novak, AB Sandvik Materials Technology, Sandviken/S	11:20 - 11:45
<b>Geometrical effects on reinforcement corrosion</b> J. Warkus, M. Raupach, RWTH Aachen University/D	<b>Nickel Tungsten carbide, a seawater tolerant material to be thinking to use in offshore oil industry in hydraulic fluids</b> L. Zheng, A. Neville, University of Leeds/UK	11:45 - 12:10
<b>Modelling the corrosion-induced cracking of reinforced concrete structures exposed to the atmosphere</b> V. L'Hostis, A. Millard, S. Perrin, CEA Saclay, Gif-sur-Yvette/F	<b>Corrosion assessment prediction for a confined flexible pipe annulus</b> R.A. Clements, Wellstream International Ltd., Newcastle Upon Tyne/UK	12:10 - 12:35
Lunchtime		
Nuclear Industries and Waste Disposal		Corrosion in Oil and Gas Production
D. Féron, CEA Saclay, Gif-sur-Yvette/F		S. Olsen, Statoil Research Centre, Trondheim/N; T. Chevrot, Total S.A., Paris-La Défense/F
<b>OECD-NEA stress corrosion cracking and cable ageing project (SCAP)</b> A. Yamamoto, A. Huerta, OECD Nuclear Energy Agency, Issy-les-Moulineaux/F; K. Gott, Swedish Nuclear Power Inspectorate, Stockholm/S; T. Koshy, Nuclear Regulatory Commission, Washington, DC/USA	<b>HISc testing of stainless steels under cathodic protection in seawater</b> R. Johnsen, Norwegian University of Science and Technology, Trondheim/N; B. Nyhus, SINTEF Materials and Chemistry, Trondheim/N; S. Wästberg, DNV, Oslo/N	14:00 - 14:25
<b>Influence of surface conditions on iodine-induced stress corrosion cracking of zircaloy</b> V. Francon, M. Frégonèse, INSA-Lyon, Villeurbanne/F; P. Barberis, Cezus Research Centre, UGINE/F	<b>Hydrogen transport in 1Cr-0.7Mo steels charged with different hydrogen activities</b> M.J. Cancio, Tenaris R&D, Campana/RA; P. Bruzzoni, J.R. Collet-Lacoste, Comisión Nacional de Energía Atómica, Buenos Aires/RA; T.E. Perez, Tenaris R&D, Campana/RA	14:25 - 14:50
<b>Passivity and stress corrosion cracking of alloy 600 in a Pb containing aqueous solution</b> D.-J. Kim, H.C. Kwon, M.A. Kim, J.S. Kim, S.S. Hwang, J. Park, H.P. Kim, KAERI, Daejeon/ROK	<b>CO<sub>2</sub> corrosion of carbon steel at lower temperatures</b> T. Bernsten, StatoilHydro ASA, Haugesund/N and University of Stavanger, Oslo/N; M. Seiersten, Institute for Energy Technology, Kjeller/N; T. Hemmingsen, University of Stavanger/N	14:50 - 15:15
<b>Kinetic study of oxide growth on nickel base alloys in PWR primary conditions</b> L. Marchetti, S. Perrin, O. Raquet, S. Pellegrino, S. Vaubailion, CEA Saclay, Gif-sur-Yvette/F; M. Pijolat, École Nationale Supérieure des Mines, Saint Etienne/F	<b>Challenges and opportunities to control carbon dioxide corrosion in enhanced oil recovery systems</b> S. Ramachandran, S. Weghorn, V. Jovancevic, P. Hammonds, Baker Petrolite, Sugar Land, TX/USA	15:15 - 15:40
Coffee Break		
<b>Detection of stress corrosion cracking in simulated BWR environment by combining the electrochemical noise and DCPD technique</b> S. Ritter, H.P. Seifert, Paul Scherrer Institute, Villigen/CH	<b>A semi-quantitative methodology for assessing the corrosion likelihood of existing pipelines</b> M. Bonis, Total S.A., Pau/F; T. Chevrot, M. Stroe, Total S.A., Paris-La Défense/F	16:15 - 16:40
<b>Development of understanding of the interaction between localized deformation and SCC of austenitic stainless steels exposed to primary PWR environment</b> T. Couvant, EDF R&D, Moret-sur-Loing/F; A. Herbelin, École Nationale Supérieure des Mines, Saint Etienne/F; A. Musienko, École des Mines de Paris, Evry/F; D. Delafosse, École Nationale Supérieure des Mines, Saint Etienne/F; G. Cailletaud, École des Mines de Paris, Evry/F; G. Ilevbare, Electric Power Research Institute, Palo Alto, CA/USA; J. Hickling, CMC, Cyprus/CY	<b>Hydrogen permeation through low alloy steels</b> N. Barakat, R.L. Reuben, Heriot Watt University, Edinburgh/UK	16:40 - 17:05
<b>Corrosion status of paks NPP primary circuit</b> J. Schunk, G. Patek, T. Pintér, Paks Nuclear Power Plant Ltd./H; J. Ősz, University of Budapest/H		17:05 - 17:30

Tuesday, 9 September 2008

Lecture Hall	Pentland (Level 3)	
09:00 - 09:45	INVITED PLENARY LECTURE Self-organising corrosion phenomena: a nanoscale examination D. Young, University of New South Wales, Sydney/AUS	
09:45 - 09:55	Break for Changing Lecture Hall	
Lecture Hall	Moorfoot (Level 0)	Carrick (Level 1)
	<b>High Temperature Corrosion Processes</b>	<b>Cathodic Protection</b>
Chair(s)	<i>M. Schütze, DECHEMA e.V., Frankfurt am Main/D</i>	<i>M. Roche, Total S.A., Paris-La Défense/F</i>
09:55 - 10:20	<b>Corrosion behavior of Ni-base alloys and stainless steels in supercritical water containing potassium hydrogen carbonate</b> N. Boukis, W. Habicht, E. Hauer, K. Weiss, E. Dinjus, Forschungszentrum Karlsruhe GmbH/D	<b>Efficient cathodic protection of stainless steel heat exchangers</b> S. Wigen, H. Osvoll, FORCE Technology Norway AS, Trondheim/N
10:20 - 10:45	<b>Fireside corrosion and steamside oxidation of 9-12% Cr ferritic steels exposed for long term testing</b> M. Montgomery, Technical University of Denmark, Lyngby/DK; S.A. Jensen, F. Rasmussen, Dong Energy, Copenhagen/DK; T. Vilhelmsen, Vattenfall AS, Odense/DK	<b>The formation of calcareous deposits during CP in simulated deep sea water</b> M. Du, Ocean University of China, Qingdao/PRC; D. Scantlebury, University of Manchester/UK
10:45 - 11:20	Coffee Break	
11:20 - 11:45	<b>Hot spot related high temperature hydrogen attack of secondary reformer vessel in ammonia gas plant</b> S. Harjac, BHP Billiton, Townsville/AUS; D. Keen, Quest Reliability Ltd., Brisbane/AUS; A. Macrauld, Connell Wagner Pty Ltd., Brisbane/AUS	<b>Internal cathodic protection of sea water piping systems - evaluation by use of computer modelling and comparisons to experimental results</b> A.-M. Grolleau, H. Le Guyader, V. Debout, N. Dolignon, DCNS Cherbourg/F; J. Pautasso, DGA, Bagneux/F; J. Blanc, DGA, Arcueil/F
11:45 - 12:10	<b>Metal dusting: what determines the degradation rate?</b> C.G.M. Hermse, J.C. van Wortel, TNO Science and Industry, Eindhoven/NL	<b>Cathodic protection of buoy chain connector: numerical modelling by 3D Software</b> J. Vittonato, M. Roche, Total S.A., Paris-La Défense/F
12:10 - 12:35	<b>Improving metal dusting resistance by Cu addition to Ni-base alloy for syngas production plants</b> S. Matsumoto, Y. Nishiyama, Sumitomo Metal Industries Ltd., Amagasaki/J; H. Matsuo, Sumitomo Metal Industries Ltd., London/UK	<b>Extending the life of cathodic protection systems for offshore pipelines – some recently applied new technologies</b> J. Britton, Deepwater Corrosion Services Inc., Houston, TX/USA
12:35 - 14:00	Lunchtime	
	<b>High Temperature Corrosion Processes</b>	<b>Cathodic Protection</b>
Chair(s)	<i>M. Schütze, DECHEMA e.V., Frankfurt am Main/D</i>	<i>M. Roche, Total S.A., Paris-La Défense/F</i>
14:00 - 14:25	<b>New approach for the inhibition of carbon deposition on steel surfaces under metal dusting conditions</b> C. Geers, T. Weber, M. Schütze, DECHEMA e.V., Frankfurt am Main/D	<b>Main principals for development of sacrificial anodic alloys</b> V. Kechin, Vladimir State University/RUS; E. Lyublinski, Northern Technologies International Corporation, Beachwood, OH/USA
14:25 - 14:50	<b>Failure investigation of ethylene furnace radiant tube</b> A. Babakr, A. Al Ahmari, SABIC Technology Center, Jubail/SAR	<b>Determination of operation parameters of underground connected sacrificial anodes</b> Z. Lukacs, Indexon Ltd., Szeged/H
14:50 - 15:15	<b>High temperature corrosion monitoring by electrochemical noise techniques</b> S.J. Mabbutt, N.J. Simms, J.E. Oaky, Cranfield University, Beds/UK	<b>Testing of STARGARD(TM) discrete anodes for concrete</b> J.E. Bennet, J.E. Bennet Consultants Inc., Chardon, OH/USA; T. Turk, De Nora Tech, Chardon, OH/USA; M. Tettamanti, M. Manghi, S. Tremolada, Industrie De Nora S.p.A., Milan/I
15:15 - 15:40	<b>A study on thermal cycle life and electrochemical impedance response of plasma sprayed functionally graded thermal barrier coatings</b> G. Sreedhar, V.S. Raja, Indian Institute of Technology, Mumbai/IND; D. Dhiman, Plasma Spray Processors, Mumbai/IND	<b>Long-term performance and versatility of zinc sacrificial anodes for control of reinforcement corrosion</b> G. Sergi, D. Simpson, J. Potter, Fosroc International Ltd., Tamworth/UK
15:40 - 16:15	Coffee Break	
	<b>High Temperature Corrosion Processes</b>	<b>Marine Corrosion</b>
Chair(s)	<i>M. Schütze, DECHEMA e.V., Frankfurt am Main/D</i>	<i>U. Kivisäkk, AB Sandvik Materials Technology, Sandviken/S</i>
16:15 - 16:40	<b>Corrosion protection by powder coating for high temperature applications</b> B. Tepe, B. Gunay, University of Ulster, Co. Antrim/UK	<b>Comparison of corrosion properties of UNS S32750, UNS N06022 and UNS N10276 in seawater environment</b> H. Vingsand, R. Johnsen, Norwegian University of Science and Technology, Trondheim/N
16:40 - 17:05	<b>High temperature oxidation behavior of coatings obtained by arc spraying cored wires based on the Fe-Cr-B-Al system</b> H. Pokhmurska, B. Wielage, T. Grund, University of Technology, Chemnitz/D; M. Student, V. Pokhmurskii, National Academy of Sciences of Ukraine, Lviv/UA	<b>Titanium and super stainless steel welded tubing solutions for seawater-cooled heat exchangers</b> H. Richaud-Minier, VALTIMET, Boulogne-Billancourt/F; H. Marchebois, VALLOUREC, Aulnoye-Aymeries/F; P. Gerard, VALTIMET, Venarey-Les-Laumes/F
17:05 - 17:30	<b>High temperature oxidation of multiphase Mo-Si-B-X systems</b> 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	<b>Nickel-aluminium bronze pitting corrosion in seawater</b> R.C. Barik, J.A. Wharton, R.J.K. Wood, University of Southampton/UK; K.R. Stokes, DSTL Porton Down, Salisbury/UK
17:30 - 17:55	<b>WP 3: Corrosion by Hot Gases and Combustion Products – Business Meeting (approx. 1 hr)</b>	<b>Sea water hydrostatic test procedure for storage tank</b> G. Nakayama, IHI Corporation, Yokohama/J; H. Tatsuke, IHI Corporation, Tokyo/J



Tuesday, 9 September 2008

Pentland (Level 3)		Lecture Hall
INVITED PLENARY LECTURE Self-organising corrosion phenomena: a nanoscale examination D. Young, University of New South Wales, Sydney/AUS		09:00 - 09:45
Break for Changing Lecture Hall		09:45 - 09:55
Kilsyth (Level 0)	Pentland (Level 3)	Lecture Hall
Corrosion Inhibition	Corrosion Mechanisms and Methods	
<i>G. Schmitt, IFINKOR-Institute for Maintenance and Corrosion Protection Technology gGmbH, Iserlohn/D</i>	<i>P. Marcus, École Nationale Supérieure de Chimie de Paris/F; J.M.C. Mol, Delft University of Technology/NL</i>	Chair(s)
<b>The influence of some 3,5-bis(n-pyridyl)-4-amino-1,2,4-triazoles on the corrosion behaviour of mild steel in perchloric acid: electrochemical study and theoretical approach</b> <i>M. Traisnel, M. Lebrini, M. Lagrenée, École Nationale Supérieure de Chimie de Lille, Villeneuve d'Ascq/F; F. Bentiss, Université Chouaib Doukkali, El Jadida/MA</i>	<b>Raman mapping of corrosion products formed onto spring steels during salt spray experiments. A correlation between the scale composition and the corrosion resistance</b> <i>F. Dubois, ENSEEG, Saint Martin d'Hères/F; C. Mendibide, Ascometal CREAS, Hagondange/F; T. Pagnier, ENSEEG, Saint Martin d'Hères/F; F. Perrard, Ascometal CREAS, Hagondange/F; C. Duret, CORREX, Fraisses/F</i>	09:55 - 10:20
<b>Enhanced corrosion resistance of mild steel in normal sulfuric acid medium by crown compounds containing a 1,3,4-thiadiazole moiety: AC impedance study and theoretical approach</b> <i>M. Lagrenée, École Nationale Supérieure de Chimie de Lille, Villeneuve d'Ascq/F; F. Bentiss, Université Chouaib Doukkali, Eljadida/MA; M. Lebrini, M. Traisnel, École Nationale Supérieure de Chimie de Lille, Villeneuve d'Ascq/F</i>	<b>AC corrosion behaviour: characterization of corrosion products by in-situ Raman spectroscopy</b> <i>I. Ibrahim, H. Takenouti, B. Tribollet, Pierre &amp; Marie Curie University, Paris/F; M. Meyer, Gaz de France, Saint Denis La Plaine/F; S. Fontaine, GRTgaz, Compiègne/F; H.-G. Schoeneich, EON-Ruhrgas AG, Essen/D; S. Joiret, M.C. Bernard, Pierre &amp; Marie Curie University, Paris/F</i>	10:20 - 10:45
Coffee Break		10:45 - 11:20
<b>Methods to improve the temporary corrosion protection of cleaning baths for further packaging with VCI containing materials</b> <i>S. Koehler, U. Rammelt, G. Reinhard, Excor Korrosionsforschung GmbH, Dresden/D</i>	<b>Direct measurement of corrosion rates by atomic emission spectroelectrochemistry</b> <i>K. Ogle, P. Volovitch, J. Swiatowska, École Nationale Supérieure de Chimie, Paris/F</i>	11:20 - 11:45
<b>Investigation of the inhibitive effect of polyethylene glycol on corrosion of carbon steel in acid mixture solution HCl+ H<sub>2</sub>SO<sub>4</sub></b> <i>N. Ghalebsaz-Jeddi, Islamic Azad University-Tabriz Branch/IR; H. Ashassi-Sorkhabib, University of Tabriz/IR; N. Modirshahlaa, M. Bahmani-Azar, Islamic Azad University-Tabriz Branch/IR</i>	<b>Influence of phosphate ions and proteins on the corrosion behaviour of titanium and CoCrMo alloy: electrochemistry, SEM and XPS study</b> <i>A. Ouerd, Institut National Polytechnique de Grenoble, Saint Martin d'Hères/F; C. Alemany-Dumont, B. Normand, Institut National des Sciences Appliquées de Lyon, Villeurbanne/F; S. Szunerits, Institut National Polytechnique de Grenoble, Saint Martin d'Hères/F</i>	11:45 - 12:10
<b>WP 1: Corrosion and Scale Inhibition – Business Meeting (approx. 1 hr)</b>	<b>Study of the effect of thermal treatments on the corrosion behaviour of CoCrMo alloy using Electrochemical Impedance Spectroscopy (EIS)</b> <i>C. Valero Vidal, A. Igual Muñoz, Polytechnique University of Valencia/E</i>	12:10 - 12:35
Lunchtime		12:35 - 14:00
Joint Session: Corrosion Inhibition in Oil and Gas Production	Corrosion Mechanisms and Methods	
<i>G. Schmitt, IFINKOR-Institute for Maintenance and Corrosion Protection Technology gGmbH, Iserlohn/D</i>	<i>P. Marcus, École Nationale Supérieure de Chimie de Paris/F; J.M.C. Mol, Delft University of Technology/NL</i>	Chair(s)
<b>Development of multifunction additives for oil and gas production</b> <i>T. Pou, ARKEMA, Pierre Benite, A.Mottet, CEGA S.A., La Garenne Colomb/F</i>	<b>Study of electrochemical induced migration on electronic chip resistors by use of novel electrochemical cell set-up</b> <i>D. Minzari, M. Jellesen, P. Moller, R. Ambat, Technical University of Denmark, Lyngby/DK</i>	14:00 - 14:25
<b>CO<sub>2</sub> and H<sub>2</sub>S corrosion inhibitor performance in OIW emulsion systems</b> <i>C. Simpson, R. Stalker, V. Cocozza, G. Graham, Scaled Solutions Ltd., Livingston/UK</i>	<b>Analysis of the electrochemical noise signals from pitting on stainless steel: role of the cathodic process</b> <i>H. Sarmiento Klapper, A. Heyn, J. Göllner, University of Magdeburg/D</i>	14:25 - 14:50
<b>Relating the corrosion inhibitor efficacy to adsorbed film structure</b> <i>S. Bosenberg, D. John, T. Becker, S. Bailey, R. De Marco, B. Kinsella, Curtin University of Technology, Perth/AUS</i>	<b>Detection of sigma phase by electrochemical methods in a 22 %Cr DSS</b> <i>S. Cristini, A.J. Invernizzi, B. Sacchi, S.P. Trasatti, University of Milan/I</i>	14:50 - 15:15
<b>Corrosion inhibition of petroleum pipelines in deep oil well formation water under CO<sub>2</sub> environment</b> <i>M.A. Migahed, Egyptian Petroleum Research Institute, Cairo/ET</i>	<b>Anodic polarization behavior of high strength aluminium alloy</b> <i>M. Bobby Kannan, Monash University, Clayton/AUS; S. Raja, Indian Institute of Technology, Mumbai/IND</i>	15:15 - 15:40
Coffee Break		15:40 - 16:15
Joint Session: Corrosion Inhibition in Oil and Gas Production	Corrosion Mechanisms and Methods	
<i>G. Schmitt, IFINKOR-Institute for Maintenance and Corrosion Protection Technology gGmbH, Iserlohn/D</i>	<i>P. Marcus, École Nationale Supérieure de Chimie de Paris/F; J.M.C. Mol, Delft University of Technology/NL</i>	Chair(s)
<b>Underdeposit test method for assessing performance of corrosion inhibitors</b> <i>G. Hinds, P. Cooling, S. Zhou, A. Turnbull, National Physical Laboratory, Teddington/UK</i>	<b>Electrochemical extraction of chlorides from corrosion products of iron archeological objects</b> <i>P. Novák, J. Děd, Š. Msallamová, Institute of Chemical Technology Prague/CZ</i>	16:15 - 16:40
<b>Inhibitor qualification for wet gas multiphase pipelines protected by partly pH stabilised mono ethylene glycol and corrosion inhibitors</b> <i>T. Andersen, A. Halvorsen, E. Halvorsen, StatoilHydro ASA, Porsgrunn/N; H. Fitje, StatoilHydro ASA, Oslo/N</i>	<b>Understanding AC-DC-AC accelerated test results</b> <i>K. Allahar, G. Bierwagen, V. Johnston Gelling, North Dakota State University, Fargo, ND/USA</i>	16:40 - 17:05
<b>The monitoring of the spreading inhibition effect by modeling the corrosion of carbon steel in gas pipelines using ECN method</b> <i>A. Lame, Z. Gace, T. Dilo, University of Tirana/AL</i>	<b>In-situ monitoring of a Mg-rich primer beneath a topcoat exposed to prohesion conditions</b> <i>D. Battocchi, K. Allahar, D. Wang, G. Bierwagen, North Dakota State University, Fargo, ND/USA</i>	17:05 - 17:30
<b>Corrosion protection of internal surfaces of crude oil storage tank bottoms</b> <i>E. Lyublinski, Northern Technologies International Corp., Beachwood, OH/USA</i>		17:30 - 17:55

Tuesday, 9 September 2008

Lecture Hall	Pentland (Level 3)	
09:00 - 09:45	<b>INVITED PLENARY LECTURE</b> <b>Self-organising corrosion phenomena: a nanoscale examination</b> D. Young, University of New South Wales, Sydney/AUS	
09:45 - 09:55	Break for Changing Lecture Hall	
Lecture Hall	Sidlaw (Level 3)	Harris (Level 1)
	<b>Coatings</b>	<b>Corrosion of Steel in Concrete</b>
Chair(s)	<i>L. Fedrizzi, University of Udine/I; W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D</i>	<i>M. Raupach, RWTH Aachen University/D</i>
09:55 - 10:20	<b>Organosilicon plasma polymer coatings filled with Ce-based nanoparticles: characterization of anti-corrosion properties</b> D. Del Frari, J. Bour, J. Bardon, D. Ruch, Centre de Recherche Henri Tudor, Esch-sur-Alzette/L	<b>Corrosion protection of reinforced concrete structures</b> E. Lyublinski, Northern Technologies International Corporation, Beachwood, OH/USA; K. Saarinen, Zerust OY, Hyvinkaa/FIN
10:20 - 10:45	<b>Influence of plasma surface treatment on the properties of coil coating</b> R. Serra, K.A. Yasakau, University of Aveiro/P; M.F. Montemor, Instituto Superior Técnico, Lisboa/P; M.Z. Zheludkevich, University of Aveiro/P; A.G. Gusakov, Belarusian State University, Minsk/BY; M.G.S. Ferreira, University of Aveiro/P	<b>Application and experiences with combined thermal sprayed zinc anodes for cathodic protection of reinforced structures</b> F. Prenger, M.K. Kattanek, Grillo-Werke AG, Duisburg/D; T.G. Goodey, METRA Non-Ferrous Ltd., Hoddesdon/UK
10:45 - 11:20	Coffee Break	
11:20 - 11:45	<b>The influence of pre-treatment of aluminium-magnesium alloys on bonding of organic coatings</b> F. de Wit, J.M.C. Mol, Delft University of Technology/NL; H. Terryn, Vrije Universiteit Brussel/B; J.H.W. de Wit, Delft University of Technology/NL	<b>Cost effectiveness and application of online-monitoring in reinforced concrete structures</b> Y. Schiegg, Swiss Society for Corrosion Protection, Zurich/CH; L. Steiner, Corsensys AG, Cham/CH
11:45 - 12:10	<b>In situ and ex situ observations of the formation of SAM-layers upon aluminium</b> T. Hauffman, E. Tourwé, O. Blajiev, A. Hubin, Vrije Universiteit Brussel/B; J. Snauwaert, C. Van Haesendonck, Katholieke Universiteit Leuven/B; H. Terryn, Vrije Universiteit Brussel/B	<b>Non destructive measurement of reinforcement corrosion rate in existing RC structures</b> E. Pereira, R. Figueira, M. Salta, I. Fonseca, Laboratório Nacional de Engenharia Civil, Lisboa/P
12:10 - 12:35	<b>Silane pretreatments for galvanised steel: deposition, adhesion and corrosion protection properties</b> M.E. Druart, M. Olivier, Faculté Polytechnique de Mons/B; M. Poelman, Materia Nova, Mons/B; F. Deflorian, S. Rossi, M. Fedel, University of Trento/I	<b>Improved corrosion initiation prediction in reinforced concrete structures through testing and monitoring</b> I. Rafiq, University of Surrey, Guildford/UK
12:35 - 14:00	Lunchtime	
	<b>Coatings</b>	<b>Corrosion of Steel in Concrete</b>
Chair(s)	<i>L. Fedrizzi, University of Udine/I; W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D</i>	<i>M. Raupach, RWTH Aachen University/D</i>
14:00 - 14:25	<b>Anodic oxide tailoring followed by a nanoparticle based impregnation process to improve corrosion protection and adhesion properties of aluminium alloys</b> S.K. Weidmann, W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D; O. Yezerska, Fraunhofer IFAM, Bremen/D; U. Sydow, Technical University of Dresden/D; M. Schneider, Fraunhofer IKTS, Dresden/D	<b>Protection of the rear reinforcement of RC-structures by CP – results of numerical simulations</b> M. Bruns, M. Raupach, RWTH Aachen University/D
14:25 - 14:50	<b>Inhibitor-doped stratified polyelectrolytes as the components of the sol-gel coatings for active corrosion protection</b> S. Lamaka, Technical University of Lisbon/P; D. Shchukin, MPI of Colloids and Interfaces, Golm/D; M. Zheludkevich, M. Ferreira, University of Aveiro, Lisboa/P	<b>Investigations on alterations of electrochemical parameters and their impact on the corrosion state of steel in chloride containing concrete in consequence of cathodic polarization</b> T. Eichler, B. Isecke, G. Wilsch, S. Goldschmidt, Federal Institute for Materials Research and Testing, Berlin/D; M. Bruns, RWTH Aachen University/D
14:50 - 15:15	<b>Influence of microstructure of 6063 aluminium alloy on the appearance of anodized layer</b> N. Tabrizian, P. Møller, R. Ambat, H.N. Hansen, Technical University of Denmark, Lyngby/DK	<b>Characterization of embeddable reference electrodes for corrosion monitoring in reinforced concrete structures</b> G.S. Duffo, Comisión Nacional de Energía Atómica, Buenos Aires/RA; S.B. Farina, Consejo Nacional de Investigaciones Científicas y Tecnológicas, Buenos Aires/RA; C.M. Giordano, Comisión Nacional de Energía Atómica, Buenos Aires/RA
15:15 - 15:40	<b>pH sensitive polyelectrolyte / inhibitor coatings with regenerative ability for effective corrosion protection</b> D. Andreeva, D. Fix, D. Shchukin, H. Moehwald, MPI of Colloids and Interfaces, Potsdam/D	<b>Monitoring of corrosion processes in chloride contaminated mortar by electrochemical measurements and X-ray tomography</b> J. Goebbels, B. Isecke, M. Beck, A. Burkert, Federal Institute for Materials Research and Testing, Berlin/D
15:40 - 16:15	Coffee Break	
16:15 - 16:40	<b>Barrier properties of thin silica coatings on steel sheet</b> R. Hausbrand, ArcelorMittal R&D Industry Gent - OCAS N.V., Zelzate/B; J. Wielant, H. Terryn, Vrije Universiteit Brussel/B; J.-P. Celis, M. Muchlado, Katholieke Universiteit Leuven/B; S. Siau, F. Clarysse, ArcelorMittal R&D Industry Gent - OCAS N.V., Zelzate/B	<b>Numerical model of Ca(OH)<sub>2</sub> transport in concrete due to electrical currents</b> T. Koster, W.H.A. Peelen, J.A. Larbi, TNO Built Environment and Geosciences, Delft/NL; M.M. de Rooij, Technical University Delft/NL and TNO Built Environment and Geosciences, Delft/NL; R.B. Polder, TNO Built Environment and Geosciences, Delft/NL
16:40 - 17:05	<b>Hybrid sol-gel/conducting polymer coatings for the corrosion protection of aluminium alloys</b> R. Akid, M. Gobara, H. Wang, Sheffield Hallam University/UK	<b>Designing high performance grout for corrosion protection of prestressing steel in concrete</b> I. Stipanovic Oslakovic, Civil Engineering Institute, Zagreb/HR; M. Serdar, D. Bjegovic, University of Zagreb/HR
17:05 - 17:30	<b>Evaluation of environmentally friendly conversion coatings for hot rolled steel (HRS) prior to powder coating application</b> B. Tepe, University of Ulster, Co. Antrim/UK; E. Sezer, B. Ustamehmetoglu, Istanbul Technical University/TR	<b>Influence of environmental and structural parameters on chloride-induced-corrosion of reinforced concrete structures</b> S. Charles, V. L'Hostis, S. Poyet, CEA Saclay, Gif sur Yvette/F
17:30 - 17:55	WP 14: Coatings – Business Meeting (approx. 1,5 hrs)	
17:55		<b>Use of stainless steel reinforcement in concrete</b> O. Vennessland, J.I. Kvamme, Norwegian University of Science and Technology, Trondheim/N
		<b>WP 11: Corrosion of Steel in Concrete – Business Meeting (approx. 1 hr)</b>

Tuesday, 9 September 2008

<b>Pentland (Level 3)</b>	<b>Lecture Hall</b>
<b>INVITED PLENARY LECTURE</b> <b>Self-organising corrosion phenomena: a nanoscale examination</b> D. Young, University of New South Wales, Sydney/AUS	09:00 - 09:45
<b>Break for Changing Lecture Hall</b>	
	09:45 - 09:55
<b>Ochil (Level 1)</b>	<b>Lecture Hall</b>
<b>49th Corrosion Science Symposium</b>	
<i>G. Hinds, Institute of Corrosion, Bedfordshire/UK and National Physical Laboratory, Teddington/UK</i>	<i>Chair(s)</i>
<b>Corrosion and music</b> A. Groysman, Oil Refineries Ltd., Haifa/IL and ORT Braude College, Karmiel/IL; O. Groysman, ORT Braude College, Karmiel/IL	09:55 - 10:20
<b>Mechanistic understanding of irradiation effects on stress corrosion cracking of austenitic stainless steels</b> A. Al Shater, A.H. Sherry, S.B. Lyon, University of Manchester/UK	10:20 - 10:45
<b>Coffee Break</b>	
	10:45 - 11:20
<b>Assessing the localised corrosion behaviour of 2205 Duplex stainless steel using the scanning droplet cell</b> S. Gnefid, R. Akid, Sheffield Hallam University/UK	11:20 - 11:45
<b>A model for the propagation of crevice corrosion in stainless steel</b> E. Rezig, M.J. Robinson, Cranfield University/UK	11:45 - 12:10
<b>3D modelling of intergranular stress corrosion cracking (IGSCC)</b> Y. Zhang, T.J. Marrow, A.H. Sherry, University of Manchester/UK	12:10 - 12:35
<b>Lunchtime</b>	
	12:35 - 14:00
<b>49th Corrosion Science Symposium</b>	
<i>G. Hinds, Institute of Corrosion, Bedfordshire/UK and National Physical Laboratory, Teddington/UK</i>	<i>Chair(s)</i>
<b>Filiform corrosion – an unexpected problem affecting the new generation of magnesium containing galvanised steels</b> A. Bennett, H.N. McMurray, G. Williams, University of Wales, Swansea/UK	14:00 - 14:25
<b>The effect of laser surface treatment on the corrosion of rebar in sulphate containing alkaline media</b> K. Premiall, Tshwane University of Technology, Pretoria/ZA; J. Potgieter, Manchester Metropolitan University/UK; S. Potgieter-Vermaak, University of the Witwatersrand, Johannesburg/ZA	14:25 - 14:50
<b>Corrosion behaviour of new PVD coatings on steel</b> D. Warren, H.N. McMurray, University of Wales, Swansea/UK; A. de Vooys, Corus, IJmuiden/NL	14:50 - 15:15
<b>Corrosion protection of Al2024 using a sol-gel/conducting polymer system</b> M. Gohara, H. Wang, D. Greenfield, R. Akid, Sheffield Hallam University/UK	15:15 - 15:40
<b>Coffee Break</b>	
	15:40 - 16:15
<b>Correlation of accelerated corrosion testing methods for next generation galvanised steels</b> S. Lloyd, University of Wales, Swansea/UK	16:15 - 16:40
<b>Cathodic delamination: a review</b> Z. Makama, S. Campbell, University of Portsmouth/UK	16:40 - 17:05
<b>Ultrafast curing of high performance coatings</b> I. Mabbett, University of Wales, Swansea/UK	17:05 - 17:30
<b>AGM of the Institute of Corrosion - Corrosion Science Division</b>	17:30 - 17:55
<b>WP 7: Corrosion Education and Computer Applications - Business Meeting (approx. 1 hr)</b>	17:55

Wednesday, 10 September 2008

Lecture Hall	Pentland (Level 3)	
09:00 - 09:45	<b>INVITED PLENARY LECTURE</b> <b>Mechanism of de-alloying and applications of nanoporous metals</b> <b>R.C. Newman, D.M. Artymowicz, University of Toronto/CDN</b>	
09:45 - 09:55	Break for Changing Lecture Hall	
Lecture Hall	Tinto (Level 0)	Carrick (Level 1)
	<b>Nuclear Industries and Waste Disposal</b>	<b>Refinery Process Corrosion</b>
Chair(s)	<i>D. Féron, CEA Saclay, Gif-sur-Yvette/F</i>	<i>F. Ropital, Institut Français du Pétrole, Vernaison/F</i>
09:55 - 10:20	<b>Study of the corrosion of an aluminium alloy used for the fuel cladding of the Jules Horowitz material testing reactor: oxide microstructure and irradiation effects</b> <i>M. Wintergerst, B. Kapusta, CEA Saclay, Gif-sur-Yvette/F; N. Dacheux, University of Montpellier 2, Bagnols-sur-Cèze/F; F. Datcharry, E. Herms, CEA Saclay, Gif-sur-Yvette/F</i>	<b>Refinery corrosion by salt hydrolysis in opportunity crudes</b> <i>P.E. Eaton, Champion Technologies Inc., Houston, TX/USA; M. Gray, H. Kaur, University of Alberta, Edmonton/CDN</i>
10:20 - 10:45	<b>Mechanism of destruction of the protective oxide layer on alloy 230 in the impure helium atmosphere of very high temperature reactors</b> <i>F. Rouillard, C. Cabret, CEA Saclay, Gif-sur-Yvette/F; K. Wolski, École Nationale Supérieure des Mines de St. Etienne/F; S. Gosse, CEA Saclay, Gif-sur-Yvette/F; M. Pijolat, École Nationale Supérieure des Mines de Saint Etienne/F</i>	<b>Properties of Sumitomo 347AP steel tube for use in desulfurizing plants in the petroleum refinery industry</b> <i>H. Matsuo, Sumitomo Metal Industries, Ltd., London/UK; S. Matsumoto, M. Yamashita, J. Higuchi, Sumitomo Metal Industries, Ltd., Amagasaki/J</i>
10:45 - 11:20	Coffee Break	
11:20 - 11:45	<b>Nuclear application steels compatibility with flowing Pb</b> <i>A. Gessi, G. Benamati, ENEA - Italian National Agency for New Technologies, Energy and the Environment, Camugnano/I</i>	<b>Protection of steel from hydrogen sulfide corrosion with volatile inhibitors</b> <i>R.K. Vagapov, VNIIGAZ, Moscow Region/RUS; Y.I. Kuznetsov, L.V. Frolova, Russian Academy of Sciences, Moscow/RUS</i>
11:45 - 12:10	<b>The influence of micro-mechanical parameters on propagation of stress corrosion cracks</b> <i>J.-P. Tinnes, University of Birmingham/UK; C. Bosch, D. Delafosse, École Nationale Supérieure des Mines de Saint Etienne/F</i>	<b>Reuse of water: maintaining reliability by avoiding corrosion effects</b> <i>R. Haug, A. Wrangel, E. Weindel, BK Giulini GmbH, Ludwigshafen/D; L. Paping, DOW Benelux N.V., Terneuzen/NL</i>
12:10 - 12:35	<b>The sea salts corrosion study at Japan sea coast</b> <i>F. Nakayasu, Fukui University of Technology/J; T. Umehara, A. Kato, A. Taniguchi, Nuclear Engineering Ltd., Osaka/J</i>	<b>Study of alternative systems for corrosion control in water cooling system operating in high concentration cycle</b> <i>D.S. de Freitas, National Institute of Technology, Rio de Janeiro/BR; E.A. de Souza, J.A.C.P. Gomes, Federal University of Rio de Janeiro/BR</i>
12:35 - 14:00	Lunchtime	
	<b>Nuclear Industries and Waste Disposal</b>	<b>Refinery Process Corrosion</b>
Chair(s)	<i>D. Féron, CEA Saclay, Gif-sur-Yvette/F</i>	<i>F. Ropital, Institut Français du Pétrole, Vernaison/F</i>
14:00 - 14:25	<b>Long-term corrosion behaviour of low carbon steel in anoxic soils</b> <i>M. Saheb, D. Neff, P. Dillmann, Laboratoire Pierre Süe, Gif-sur-Yvette/F</i>	<b>Corrosion protection of oil storage tank tops</b> <i>E. Lyublinski, Y. Vaks, G. Ramdas, Northern Technologies International Corp., Beachwood, OH/USA; M. Schultz, Petrobras, Rio de Janeiro/BR; R. Singh, Zerust-Brazil, Sao Paulo/BR</i>
14:25 - 14:50	<b>Corrosion processes during the lifetime of a deep geological repository</b> <i>E. Torres, J. Peña, M.J. Turrero, P.L. Martín, A. Escribano, M.V. Villar, CIEMAT, Madrid/E</i>	<b>Corrosion in amine solvents used for the removal of acid gases</b> <i>E. Fleury, J. Kittel, F. Ropital, IFP, Solaize/F; R. Oltra, B. Vuillemin, Institut Carnot de Bourgogne, Dijon/F</i>
	<b>Nuclear Industries and Waste Disposal</b>	<b>Ethanol Biofuel Corrosion</b>
Chair(s)	<i>D. Féron, CEA Saclay, Gif-sur-Yvette/F</i>	<i>F. Ropital, Institut Français du Pétrole, Vernaison/F</i>
14:50 - 15:15	<b>Mechanistic investigation of internal corrosion of nuclear waste containers over extended time periods</b> <i>N.P.C. Stevens, University of Manchester/UK; E. Tsausoglou, CAPCIS Ltd., Manchester/UK; E. Onumonu, University of Manchester/UK</i>	<b>Stress corrosion cracking of carbon steel in ethanol-gasoline blends</b> <i>A. Albistur-Gorñi, C. Berlanga-Labari, J. Fernández-Carrasquilla, Public University of Navarra, Pamplona/E</i>
15:15 - 15:40	<b>Influence of surface condition on the initiation of stress-corrosion cracking in type 304 stainless steel in humid air environments in the presence of surface chloride contamination</b> <i>N. Fairweather, D. Tice, Serco, Warrington/UK</i>	<b>Corrosion of metals for automotive applications in ethanol blended biofuels</b> <i>M. Scholz, T. Troßmann, C. Berger, Technical University of Darmstadt/D</i>
15:40 - 16:15	Coffee Break	
	<b>Nuclear Industries and Waste Disposal</b>	<b>Refinery Inspection Monitoring</b>
Chair(s)	<i>D. Féron, CEA Saclay, Gif-sur-Yvette/F</i>	<i>F. Ropital, Institut Français du Pétrole, Vernaison/F</i>
16:15 - 16:40	<b>Stress corrosion cracking potentials of stainless steels in dilute chloride solutions at 130°C</b> <i>J.D. Atkinson, Sheffield Hallam University/UK; J.R. Saithala, Fine Tubes Ltd., Plymouth/UK</i>	<b>Training &amp; certification of plant inspectors: a review of Norwegian standards NS 415-1 &amp; NS 415-2</b> <i>H. De Bruyn, Borealis Group Services AS, Stathelle/N; K. Johansson, StatoilHydro AS, Tjeldbergodden/N</i>
16:40 - 17:05	<b>Corrosion-resistant drums for low-/medium-level radioactive waste</b> <i>M. Jendras, F.-W. Bach, T. Hassel, University of Hannover, Garbsen/D</i>	<b>The utility of hydrogen flux measurement in refineries</b> <i>F. Dean, Ion Science Ltd., Royston/UK</i>
17:05 - 17:30	<b>WP 4: Nuclear Corrosion - Business Meeting Part 1 (approx. 2 hrs), Part 2: Thursday, 11 September, 10:00 - 12:30</b>	<b>Reducing the effects of process corrosion "corrosion as a process variable"</b> <i>M. Holdefer, Pepperl+Fuchs GmbH, Mannheim/D</i>
20:00 - 24:00	Congress Dinner at the "Hub"	

Wednesday, 10 September 2008

Pentland (Level 3)		Lecture Hall
<b>INVITED PLENARY LECTURE</b> Mechanism of de-alloying and applications of nanoporous metals R.C. Newman, D.M. Artymowicz, University of Toronto/CDN		09:00 - 09:45
		Break for Changing Lecture Hall 09:45 - 09:55
Sidlaw (Level 3)	Fintry (Level 3)	Lecture Hall
<b>Coatings</b>	<b>Joint Session: Local Characterisation of Corrosion Processes</b>	
<i>L. Fedrizzi, University of Udine/I; W. Fürbeth, DECEMA e.V., Frankfurt am Main/D</i>	<i>P. Marcus, École Nationale Supérieure de Chimie de Paris/F; J.M.C. Mol, Delft University of Technology/NL</i>	Chair(s)
<b>Hybrid pigments for corrosion inhibition</b> <i>V. Gelling, C. Vetter, X. Qi, North Dakota State University, Fargo, ND/USA</i>	<b>Use of surface and electrochemical methods to study the influence of metal oxide films on the delamination of organic coatings</b> <i>J. Wielant, Vrije Universiteit Brussel/B; R. Posner, G. Grundmeier, MPI für Eisenforschung GmbH, Düsseldorf/D; R. Hausbrand, ArcelorMittal R&amp;D Industry Gent - OCAS N.V., Zelzate/B; H. Terryn, Vrije Universiteit Brussel/B</i>	09:55 - 10:20
<b>The morphology and corrosion resistance of polypyrrole films grown in the presence of surfactants and corrosion inhibitors</b> <i>S.A. Campbell, Y.H. Li, University of Portsmouth/UK; S. Breakspear, Global R&amp;D, Tokyo/J; F.C. Walsh, University of Southampton/UK; P.A. Cox, J.R. Smith, University of Portsmouth/UK</i>	<b>Monitoring local activity of Mg<sup>2+</sup> and H<sup>+</sup> by SIET and SVET</b> <i>S. Lamaka, Instituto Superior Técnico, Lisbon/P; O. Karavai, A. Bastos, M. Zheludkevich, University of Aveiro/P; M. Ferreira, Instituto Superior Técnico, Lisbon/P</i>	10:20 - 10:45
		Coffee Break 10:45 - 11:20
<b>Anodized coatings containing polyaniline and oxide nanoparticles for corrosion protection of aluminium alloy 2024T3</b> <i>O. Zubillaga, F.J. Cano, G. Imbuluzqueta, M. Insausti, I. Azkarate, INASMET, San Sebastian/E</i>	<b>Atmospheric ageing of aluminium and aluminium alloys: a micro-electrochemical approach</b> <i>N. Mary, INSA de Lyon, Villeurbanne/F; J.M.C. Mol, Delft University of Technology/NL; H. Terryn, Vrije Universiteit Brussel/B; J.H.W. de Wit, Delft University of Technology/NL</i>	11:20 - 11:45
<b>Electrochemical synthesis of PANI on zinc substrates</b> <i>A. Laskos, G. Faflek, University of Technology Vienna/A; M. Fleischanderl, voestalpine GmbH, Linz/A; J. Sanders, Henkel KGaA, Düsseldorf/D</i>	<b>Effect of oxide film on volta potential of aluminium</b> <i>K.A. Yasakau, M.L. Zheludkevich, M.G.S. Ferreira, University of Aveiro/P</i>	11:45 - 12:10
<b>Progress in the development of a pyrrole-based silane primer for corrosion protection of Al alloys</b> <i>M. Rizzi, M. Trueba, S.P. Trasatti, University of Milan/I</i>	<b>Corrosion inhibition at cut edges by sodium phosphate</b> <i>A. Simões, R. Picciochi, J.P. Torres, J.C.S. Fernandes, Universidade Técnica de Lisboa/P</i>	12:10 - 12:35
		Lunchtime 12:35 - 14:00
Corrosion of Polymer Materials	Microbial Corrosion	
<i>R. Morach, Ciba Spezialitätenchemie AG, Basel/CH</i>	<i>R. Gubner, Swerea KIMAB AB, Stockholm/S</i>	Chair(s)
<b>Interactions between polyethylene water pipes and disinfectants used in drinking water treatments: how to characterize the ageing?</b> <i>M. Rozenal-Evesque, B. Rabaud, Suez-Environnement, Le Pecq/F</i>	<b>KEYNOTE: Corrosion in sea ports - overview and update</b> <i>J. Christie, Aberdeen Harbour Board/UK</i>	14:00 - 14:25
<b>Development of a "Nol Ring" test to study polyethylene pipe degradation and its implementation on field house connection pipes</b> <i>M. Sanchez, S. Louis, C.E. Bruzek, Laboratoire National de Métrologie et d'Essais, Trappes/F; M. Rozenal-Evesque, B. Rabaud, Suez-Environnement, Le Pecq/F</i>	<b>The potential role of iron-oxidizing bacteria in the corrosion of carbon steel pilings in a freshwater harbor</b> <i>B. Little, J.S. Lee, R.I. Ray, Naval Research Laboratory, Stennis Space Center, MS/USA; J. Bostrom, J.M. Bergin, R.E. Hicks, University of Minnesota, Duluth, MN/USA</i>	14:25 - 14:50
Corrosion of Polymer Materials	Microbial Corrosion	
<i>R. Morach, Ciba Spezialitätenchemie AG, Basel/CH</i>	<i>R. Gubner, Swerea KIMAB AB, Stockholm/S</i>	Chair(s)
<b>Online investigation of polyethylene pipes under active deformation by unilateral NMR</b> <i>A. Adams, M. Adams, RWTH Aachen University/D; H.-J. Kocks, Mannesmann Fuchs Rohr GmbH, Siegen/D; B. Blümich, RWTH Aachen University/D</i>	<b>A peculiar cathodic process observed on iron and steel during corrosion by sulfate reducing bacteria (SRB)</b> <i>J. Starosvetsky, D. Starosvetsky, R. Armon, Y. Ein-Eli, Technion of Haifa/IL</i>	14:50 - 15:15
<b>Influence of residual stress on lifetime prediction for plastic pipes</b> <i>C. Berger, A. Bockenheimer, H. Haupt, J. Heinemann, Technical University of Darmstadt/D; R. Brüll, Deutsches Kunststoff-Institut, Darmstadt/D</i>	<b>Electrochemical and microbiological contributions to the corrosion of 70/30 CuNi alloys in marine environments</b> <i>S.A. Campbell, J. Sunner, I.B. Beech, University of Portsmouth/UK</i>	15:15 - 15:40
		Coffee Break 15:40 - 16:15
Corrosion of Polymer Materials	Microbial Corrosion	
<i>R. Morach, Ciba Spezialitätenchemie AG, Basel/CH</i>	<i>R. Gubner, Swerea KIMAB AB, Stockholm/S</i>	Chair(s)
<b>Correlation between material parameters of high density polyethylene grades and the test performance behaviour of packagings</b> <i>M. Weltschew, C. Sturm, Federal Institute for Materials Research and Testing, Berlin/D</i>	<b>Predicting, controlling and monitoring MIC in pipelines</b> <i>S. Maxwell, J. Hart, Commercial Microbiology Ltd., Aberdeen/UK</i>	16:15 - 16:40
<b>Compatibility study of plastics materials with bioethanol-gasoline blends</b> <i>C. Berlanga-Labari, Public University of Navarra, Pamplona/E; I. Del Campo-Colmenar, CENER, Sarriñena/E; I. Barado-Pardo, J. Fernández-Carrasquilla, Public University of Navarra, Pamplona/E</i>	<b>Microbiologically influenced corrosion of iron by methane producing archaea (MPA) associated with sulfate reducing bacteria (SRB)</b> <i>K. Ito, Nippon Steel Corporation, Futtsu/J; S. Wakai, H. Tsurumaru, T. Lino, K. Mori, T. Uchiyama, National Institute of Technology and Evaluation, Kisarazu/J; O. Miki, Nippon Steel Corporation, Futtsu/J; S. Harayama, National Institute of Technology and Evaluation, Kisarazu/J</i>	16:40 - 17:05
<b>"Corrodere" of non-metallic materials in the mining, oil &amp; gas industries (mogi)</b> <i>A. Jefferson, B. Kinsella, Curtin University of Technology, Perth/AUS</i>	<b>WP 10: Microbial Corrosion - Business Meeting (approx. 1 hr)</b>	17:05 - 17:30
<b>Congress Dinner at the "Hub"</b>		20:00 - 24:00

## Wednesday, 10 September 2008

Lecture Hall	Pentland (Level 3)	
09:00 - 09:45	<b>INVITED PLENARY LECTURE</b> <b>Mechanism of de-alloying and applications of nanoporous metals</b> <b>R.C. Newman, D.M. Artymowicz, University of Toronto/CDN</b>	
09:45 - 09:55	Break for Changing Lecture Hall	
Lecture Hall	Kilsyth (Level 0)	Ochil (Level 1)
	<b>Managing Corrosion for Sustainability</b>	<b>Light Alloys in Transportation: Corrosion of Aluminium Alloys</b>
<i>Chair(s)</i>	<i>G. Winning, Institute of Corrosion (Aberdeen Branch), Bedfordshire/UK and CAPCIS Ltd., Aberdeen/UK</i>	<i>A.J. Davenport, University of Birmingham/UK; G.M. Scamans, Innoval Technology, Banbury/UK</i>
09:55 - 10:20	<b>Is there a role for health &amp; safety regulation in managing corrosion for sustainability?</b> A. Duncan, Health & Safety Executive, Merseyside/UK	<b>Corrosion of AlMg friction stir welds</b> A.J. Davenport, R.J. Winsley, University of Birmingham/UK; G.M. Scamans, Innoval Technology, Banbury/UK; A. Afseth, Alcan, Voreppe/F; J. Hunter, Novelis, Kingston/CDN; W. Tang, A.P. Reynolds, University of South Carolina, Columbia, SC/USA
10:20 - 10:45	<b>Zirconium and zirconium alloys for use in sulfuric acid applications</b> R.C. Sutherlin, ATI Wah Chang, Albany, OR/USA	<b>Intergranular corrosion on aeronautical aluminium alloys</b> J. Delfosse, D. Schuster, EADS, Suresnes/F; C. Henon, ALCAN, Voreppe/F; M.-H. Vidal-Setif, ONERA, Chatillon/F; D. Thierry, N. Le Bozec, Institut de la Corrosion, Brest/F; B. Baroux, B. Malki, SIMAP, Grenoble/F; R. Oltra, Université de Bourgogne, Dijon/F; D. Delafosse, J. Stolarz, Écoles des Mines de Saint Etienne/F
10:45 - 11:20	Coffee Break	
11:20 - 11:45	<b>Enamel and glass lined steel: manufacture, control and cases of degradation</b> L. Diguët, RHODIA, Saint Fons/F	<b>Electrochemical studies of intergranular corrosion of model AlMgSi(Cu) alloys</b> H. Zhan, The Netherlands Institute for Metals Research, Delft/NL; J.M.C. Mol, Delft University of Technology/NL; H. Terry, Vrije Universiteit Brussel/B; J.H.W. de Wit, Delft University of Technology/NL
11:45 - 12:10	<b>Integrity management perspective within the oil &amp; gas industry: challenges for young and experienced engineers</b> Y.C. Tang, Det Norske Veritas Limited, Aberdeen/UK; R. Miller, Det Norske Veritas Limited, Storkport/UK	<b>A cellular automaton based model for predicting intergranular corrosion in aerospace alloys</b> R. Akid, S.V. Lishchuk, K. Worden, Sheffield Hallam University/UK
12:10 - 12:35	<b>Atmospheric corrosion of structural metals - methods of prediction of corrosion attack</b> K. Krejslova, SVUOM Ltd., Prague/CZ; M. Halama, Technical University of Kosice/SK; D. Knotkova, SVUOM Ltd., Prague/CZ; J. van Lesebettens, Universiteit Gent/B	<b>Modeling of the microstructural corrosion induced by localized galvanic coupling in aluminium alloys</b> R. Oltra, B. Vuillemin, N. Murer, Université de Bourgogne, Dijon/F; O. Néel, ALCAN CRV, Voreppe/F
12:35 - 14:00	Lunchtime	
	<b>Managing Corrosion for Sustainability</b>	<b>Light Alloys in Transportation: Corrosion of Magnesium/ Surface Treatment and Coating of Magnesium</b>
<i>Chair(s)</i>	<i>G. Winning, Institute of Corrosion (Aberdeen Branch), Bedfordshire/UK and CAPCIS Ltd., Aberdeen/UK</i>	<i>A.J. Davenport, University of Birmingham/UK; G.M. Scamans, Innoval Technology, Banbury/UK</i>
14:00 - 14:25	<b>Corrosion of casing steel during CO<sub>2</sub> underground storage</b> A. Hovestad, P.M.M.C. Bressers, R.J. Gouwen, R.J.M. Bisselink, J.F. Zevenbergen, P.R. Willemsen, TNO Netherlands Organisation for Applied Scientific Research, Eindhoven/NL	<b>Field exposure of magnesium alloy AZ91D: differences and similarities to the laboratory</b> M. Jönsson, D. Persson, Swerea KIMAB, Stockholm/S
14:25 - 14:50	<b>Corrosion performance of a new versatile Ni-Mo-Cr alloy</b> N.S. Meck, P. Crook, N. Koon, Haynes International Inc., Kokomo, IN/USA; P. Houille, Haynes International Inc., Cergy Pontoise/F	<b>Inhibition of localised corrosion on magnesium alloy AZ31 in chloride containing electrolyte</b> G. Williams, H.N. McMurray, Swansea University/UK
	<b>Workshop on Marine Corrosion: Optimising the Performance of Copper Base Alloys in Sea Water Piping Systems</b>	<b>Light Alloys in Transportation: Corrosion of Magnesium/ Surface Treatment and Coating of Magnesium</b>
<i>Chair(s)</i>	<i>U. Kivisäkk, AB Sandvik Materials Technology, Sandviken/S</i>	<i>A.J. Davenport, University of Birmingham/UK; G.M. Scamans, Innoval Technology, Banbury/UK</i>
14:50 - 15:15	<b>Review of BNF studies on the effect of chlorine and pollutants on the corrosion of copper alloy condenser tubes</b> R. Francis, Weir Materials and Foundries, Manchester/UK; H.S. Campbell, Consultant, Surrey/UK	<b>Effect of Al content on corrosion behaviour of Mg/Al alloys in 3.5 wt% NaCl</b> R. Arrabal, A. Pardo, M.C. Merino, A.E. Coy, F. Viejo, Universidad Complutense Madrid/E; E. Matykina, University of Manchester/UK
15:15 - 15:40	<b>Some copper alloy experiences on offshore installations</b> C. Smith, BP Exploration Operating Company Ltd., Aberdeen/UK	<b>Surface protection of Mg-alloys for aerospace application</b> T. Hack, F. Gammel, EADS Innovation Works, Munich/D
15:40 - 16:15	Coffee Break	
	<b>Workshop on Marine Corrosion: Optimising the Performance of Copper Base Alloys in Sea Water Piping Systems</b>	<b>Light Alloys in Transportation: Surface Treatment and Coating of Magnesium / Surface Treatment and Coating of Aluminium</b>
<i>Chair(s)</i>	<i>U. Kivisäkk, AB Sandvik Materials Technology, Sandviken/S</i>	<i>A.J. Davenport, University of Birmingham/UK; G.M. Scamans, Innoval Technology, Banbury/UK</i>
16:15 - 16:40	<b>Combating the threat of MIC in submarine seawater systems – the Royal Navy's experience</b> G.J.E. Nicklin, Ministry of Defense, Bristol/UK	<b>Corrosion protection of AZ31 magnesium alloy by means of ZrO<sub>2</sub> coatings deposited with sol-gel technique</b> F. Andreatta, L. Paussa, P. Aldighieri, A. Lanzutti, L. Fedrizzi, University of Udine/I
16:40 - 17:05	<b>Aspects of microbiologically influenced corrosion of Cu Ni alloys</b> S. Campbell, I. Beech, Portsmouth University/UK	<b>The influence of surface treatment on the anodizing of magnesium in alkaline solution</b> M. Santamaria, F. Di Quarto, Università di Palermo/I; S. Zanna, H. Ardelean, P. Marcus, Le Centre National de la Recherche Scientifique, Paris/F
17:05 - 17:30	<b>Response of 70-30 CuNi to conditioning pre-treatments and sulphide exposure</b> R. Oakley, J. Galsworthy, QinetiQ Ltd., Hants/UK	<b>Adhesion and corrosion properties of MoO<sub>3</sub> pigmented organic coatings for aluminium</b> S. Rodahl, Norwegian University of Science and Technology, Trondheim/N; O. Knudsen, SINTEF, Trondheim/N; K. Nisancioglu, Norwegian University of Science and Technology, Trondheim/N
20:00 - 24:00	Congress Dinner at the "Hub"	

Wednesday, 10 September 2008

Pentland (Level 3)		Lecture Hall
<b>INVITED PLENARY LECTURE</b> Mechanism of de-alloying and applications of nanoporous metals R.C. Newman, D.M. Artymowicz, University of Toronto/CDN		09:00 - 09:45
Break for Changing Lecture Hall 09:45 - 09:55		
Pentland (Level 3)	Harris (Level 1)	Lecture Hall
<b>Metallic Coatings</b>	<b>Workshop on Pitting Corrosion</b>	
<i>G.D. Wilcox, Loughborough University/UK</i>	<i>P. McIntyre, The Institute of Materials, Minerals and Mining, London/UK</i>	<i>Chair(s)</i>
<b>KEYNOTE: Linear and non-linear spectroelectrochemical studies of metal electrodeposition and corrosion processes</b> B. Bozzini, L. D'Urzo, Università di Lecce/I; A. Tadjeddine, UDIL-CNRS, Orsay/F; M. Kiskinova, ELETTRA Synchrotron Light Source, Trieste/I	<b>Quantification of pit propagation rates under flowing solution conditions using the scanning droplet cell and infinite focus microscope</b> R. Akid, S. Gnefid, Sheffield Hallam University/UK	09:55 - 10:20
<b>Comparative investigation of the corrosion behavior of galvanic and nano-composite zinc in chloride containing model solutions</b> D. Koleva, K. van Breugel, Delft University of Technology/NL; P. Petrov, N. Boshkov, Bulgarian Academy of Sciences, Sofia/BG; J.H.W. de Wit, J.M.C. Mol, Delft University of Technology/NL	<b>The role of inclusions in pit nucleation on steam turbine blade alloys</b> G. Williams, K.M. Perkins, H.N. McMurray, Swansea University/UK	10:20 - 10:45
Coffee Break		10:45 - 11:20
<b>Characteristics of nano-structure Zn-Ni alloys electrodeposited from acidic bath containing organic additives</b> M. Shoeib, S.M. Abd El Hallem, H. Soliman, Central Metallurgical R & D Institute, Cairo/ET	<b>X-ray synchrotron studies of pitting corrosion</b> A.J. Davenport, T. Rayment, University of Birmingham/UK; A.J. Dent, Diamond Light Source, Didcot/UK; J.P. Tinnes, R.J. Wiltshire, University of Birmingham/UK; C. Martin, Daresbury Laboratory, Warrington/UK; P. Quinn, Diamond Light Source, Didcot/UK	11:20 - 11:45
<b>Using a tri-valent chromium addition to increase the corrosion resistance of Zn-Co alloy electrodeposited coatings</b> S.J. Harris, H. Yan, J. Yu, D.P. Weston, University of Nottingham/UK	<b>Extreme values models for the estimation of the maximum depth in pitting corrosion: simulations &amp; experiments</b> A. Jarrah, J.M. Nianga, École Hautes Études d'Ingénieur, Lille/F and École Nationale Supérieure des Arts et Métiers, Lille/F; A. Lost, G. Guillemot, D. Najjar, École Nationale Supérieure des Arts et Métiers, Lille/F	11:45 - 12:10
<b>Understanding corrosion via corrosion product characterization: case study of the role of Mg alloying in Zn-Mg coating on steel</b> P. Volovitch, K. Ogle, École Nationale Supérieure de Chimie de Paris/F; C. Allely, Arcelor-Mittal Research SA, Maizières-lès-Metz/F	<b>Pitting corrosion of stainless steels in chloride solutions at elevated temperatures</b> J.R. Saithala, Fine Tubes Ltd., Plymouth/UK; J.D. Atkinson, Sheffield Hallam University/UK; S. McCoy, Fine Tubes Ltd., Plymouth/UK	12:10 - 12:35
Lunchtime		12:35 - 14:00
<b>Effect of heat treatment on zinc whisker growth from electrodeposited coatings</b> H Jiang, A.J. Ebbage, R. Chapaneri, G.D. Wilcox, G.W. Critchlow, Loughborough University/UK	<b>Pitting corrosion of AA 5083 in chloride: behaviour during cyclic scans</b> J.M. Sykes, K.L. Moore, P.S. Grant, University of Oxford/UK	14:00 - 14:25
<b>Metallic Coatings</b>	<b>Infrastructure Maintenance and Asset Management: Tribocorrosion: Erosion-Corrosion and Biotribology</b>	
<i>G.D. Wilcox, Loughborough University/UK</i>	<i>S. Mischler, École Polytechnique Fédérale de Lausanne/CH; J.-P. Celis, Katholieke Universiteit Leuven/B</i>	<i>Chair(s)</i>
<b>Morphology and corrosion resistance of Zn-Co and Zn-Co-Fe alloy coatings</b> Z.F. Lodhi, Delft University of Technology/NL and Netherlands Institute for Metals Research, Delft/NL; J.M.C. Mol, Delft University of Technology/NL; A. Hovestad, Dutch Institute of Applied Research TNO, Eindhoven/NL; H. Terryn, Netherlands Institute for Metals Research, Delft/NL and Vrije Universiteit Brussel/B; J.H.W. de Wit, Delft University of Technology/NL	<b>Erosion corrosion behaviour of austenitic and martensitic stainless steels</b> J. Haberl, G. Mori, University of Leoben/A; M. Oberndorfer, W. Havlik, OMV Exploration & Production GmbH, Vienna/A; P. Hosemann, Los Alamos National Laboratory, NM/USA	14:25 - 14:50
<b>Metallic Coatings</b>	<b>Infrastructure Maintenance and Asset Management: Tribocorrosion: Erosion-Corrosion and Biotribology</b>	
<i>G.D. Wilcox, Loughborough University/UK</i>	<i>S. Mischler, École Polytechnique Fédérale de Lausanne/CH; J.-P. Celis, Katholieke Universiteit Leuven/B</i>	<i>Chair(s)</i>
<b>Corrosion at the edge of an organic coating and galvanized steel</b> R. Feser, University of Applied Sciences Iserlohn/D; S. Killing, Bundesanstalt für Straßenwesen, Bergisch Gladbach/D	<b>Erosion-corrosion in oil and gas - energetical approach to the application of stainless steel for erosion-corrosion</b> I. Bargmann, A. Neville, University of Leeds/UK; S. Hertzman, Outokumpu Stainless Research Foundation, Avesta/S; F. Reza, Petronas Carigali SDN. BHD., Kuala Lumpur/MAL; X. Hu, University of Leeds/UK	14:50 - 15:15
<b>Corrosion products formed on confined hot-dip galvanized steel in accelerated cyclic corrosion tests</b> D. Thierry, N. LeBozec, French Corrosion Institute, Brest/F	<b>Characterization of electrodeposited hydroxyapatite coating on nanoporous anodized titanium</b> M. Shoeib, Central Metallurgical R & D Institute, Cairo/ET; F.M. Bayoumi, H. Nanjo, National Institute of Advanced Industrial Science and Technology, Sendai/J	15:15 - 15:40
Coffee Break		15:40 - 16:15
<b>Metallic Coatings</b>	<b>Infrastructure Maintenance and Asset Management: Tribocorrosion: Erosion-Corrosion and Biotribology</b>	
<i>G.D. Wilcox, Loughborough University/UK</i>	<i>S. Mischler, École Polytechnique Fédérale de Lausanne/CH; J.-P. Celis, Katholieke Universiteit Leuven/B</i>	<i>Chair(s)</i>
<b>Characterization of passivation products on galvanized steel reinforcements in concrete</b> T. Bellezze, G. Roventi, E. Barbaresi, N. Ruffini, R. Fratessi, Università Politecnica delle Marche, Ancona/I	<b>On the mechanical role of passive films in tribocorrosion</b> S. Mischler, École Polytechnique Fédérale de Lausanne/CH	16:15 - 16:40
<b>Effect of aluminium coatings on the corrosion behaviour of Mg/Al alloys</b> F. Viejo, A. Pardo, M.C. Merino, A.E. Coy, P. Casajús, M. Mohedano, Universidad Complutense de Madrid/E	<b>Understanding of metal ion release from corrosion and bio-tribo-corrosion processes in the application of artificial hip prostheses</b> Y. Yan, A. Neville, D. Dowson, S. Williams, J. Fisher, University of Leeds/UK	16:40 - 17:05
<b>The corrosion and erosion-corrosion behaviour of PTA overlays for the application in the oilsands industry</b> J.F. Flores, A. Neville, N. Kapur, A. Gnanavelu, University of Leeds/UK		17:05 - 17:30
Congress Dinner at the "Hub"		20:00 - 24:00

Thursday, 11 September 2008

Lecture Hall	Pentland (Level 3)	
09:00 - 09:45	INVITED PLENARY LECTURE Role of ozone and UV light in atmospheric corrosion of Ag D. Liang, G. Ma, Y. Wu, B. Wyslouzil, H.C. Allen, G.S. Frankel, Ohio State University, Columbus, OH/USA	
09:45 - 09:55	Break for Changing Lecture Hall	
Lecture Hall	Tinto (Level 0)	Carrick (Level 1)
	Automotive Corrosion	Refinery-Naphtenic Acid Corrosion
Chair(s)	<i>F. Hannour, N.van Landschoot, Corus Research Development &amp; Technology, IJmuiden/NL</i>	<i>H. De Bruyn, Borealis Group Services AS, Stathelle/N</i>
09:55 - 10:20	<b>Influence of microstructure on the corrosion performance of dual phase steels</b> D. Farias, J.M.C. Mol, Delft University of Technology/NL; H. Terryn, Vrije Universiteit Brussel/B; J.H.W. de Wit, Delft University of Technology/NL; F. Hannour, Corus Research Development & Technology, IJmuiden/NL	<b>Refining high acid crudes: when is an opportunity not an opportunity?</b> R. Kane, B. Chambers, Honeywell International, Houston, TX/USA
10:20 - 10:45	<b>Performance of pre-primed and finish coated galvanized steel sheets for automotive bodies</b> D. Santos, M.R. Costa, H. Raminhos, M.A. Travassos, C.M. Rangel, T. Diamantino, Instituto Nacional de Engenharia, Tecnologia e Inovação, Lisboa/P; F. Goodwin, International Lead Zinc Research Organization, Inc., Durham, NC/USA	<b>The effect of molecular structure on the naphthenic acid corrosion occurrence</b> A.J. Invernizzi, S.P. Trasatti, University of Milan/I
10:45 - 11:10	<b>Effects of treatment conditions on the microstructure of electroplated zinc in chloride bath</b> Y.-K. Song, G.-S. Han, M.-K. Park, J.-E. Oh, J.-R. Lee, POSCO, Gwangyang/ROK	<b>New inhibitors for preventing naphthenic acid corrosion</b> A. Groysman, Oil Refineries Ltd., Haifa/IL and ORT Braude College, Karmiel/IL; J. Penner, N. Brodsky, Oil Refineries Ltd., Haifa/IL; S. Skorodinsky, ORT Braude College, Karmiel/IL
11:10 - 11:45	Coffee Break	
	Automotive Corrosion	Refinery-Naphtenic Acid Corrosion
Chair(s)	<i>F. Hannour, N.van Landschoot, Corus Research Development &amp; Technology, IJmuiden/NL</i>	<i>H. De Bruyn, Borealis Group Services AS, Stathelle/N</i>
11:45 - 12:10	<b>Influence of climatic factors in cyclic accelerated corrosion test towards the development of a reliable and repeatable accelerated corrosion test for the automotive industry</b> N. LeBozec, D. Thierry, French Corrosion Institute, Brest/F	<b>25 years experience of successful naphthenic acid corrosion inhibition</b> C. Claesen, Nalco Energy Services, Kontich/B; G. Scattergood, Nalco Energy Services, Sugar Land, TX/USA
12:10 - 12:35	<b>KEYNOTE: Corrosion protection development concept at AUDI AG</b> D. Blücher, H. Schnattinger, AUDI AG, Ingolstadt/D	<b>Surface study of naphthenic acid corrosion inhibitors on carbon steel</b> M.J. Zettmeist, C.L. Sandu, K. Babić-Samardžija, B.G. Harrell, Baker Petrolite Corp., Sugarland, TX/USA; R.S. Arvidson, A. Lüttge, Rice University, Houston, TX/USA
12:35 - 13:00	<b>A closer look at OY water tests for automotive heat exchangers</b> E. Szala, A. Wittebrood, Corus Research Development & Technology, IJmuiden/NL; K. Vieregge, Aleris Aluminum Koblenz GmbH/D; M. Goerdeler, V. Navawongse, H. Koch, B. Grünenwald, Behr GmbH & Co. KG, Stuttgart/D	<b>Risk mitigation strategies for refineries to cope with declining crude oil quality</b> D. Owen, GE W&PT, Widnes/UK; A. Pothaud, GE W&PT, Marne La Vallée/F
13:00 - 13:25	<b>Paintability and corrosion properties of POSCO AHSS</b> H.S. Park, POSCO, Gwangyang/ROK	
13:25 - 13:35	Break for Changing Lecture Hall	
13:35 - 13:50	Closing Remarks	
ca. 13:50	End of Scientific Programme	



Thursday, 11 September 2008

Pentland (Level 3)		Lecture Hall
<b>INVITED PLENARY LECTURE</b> Role of ozone and UV light in atmospheric corrosion of Ag D. Liang, G. Ma, Y. Wu, B. Wyslouzil, H.C. Allen, G.S. Frankel, Ohio State University, Columbus, OH/USA		09:00 - 09:45
Break for Changing Lecture Hall		09:45 - 09:55
Sidlaw (Level 3)	Harris (Level 1)	Lecture Hall
<b>Advances in Corrosion Protection by Organic Coatings: Symposium to Celebrate the Achievements of Prof. D. Scantlebury</b>	<b>WCO-Workshop: Needs for Corrosion Research to Solve Global Future Problems</b>	
<i>D.J. Mills, University College Northampton/UK</i>	<i>G. Hays, World Corrosion Organisation, Morristown, NJ/USA; G. Schmitt, IFINKOR-Institute for Maintenance and Corrosion Protection Technology gGmbH, Iserlohn/D; M. Schütze, DECHEMA e.V., Frankfurt am Main/D</i>	Chair(s)
<b>Qualification of protective coatings using EIS</b> J. Sonke, Sonke Consultancy, IJmuiden/NL	<b>No major technological progress without new solutions in corrosion mitigation and service integrity management</b> G. Schmitt, IFINKOR-Institute for Maintenance and Corrosion Protection Technology gGmbH, Iserlohn/D	09:55 - 10:20
<b>In-situ probing for studying underpaint corrosion</b> B. Vuillemin, A. Rubin, R. Oltra, Université de Bourgogne, Dijon/F; K. Ogle, École Nationale Supérieure de Chimie de Paris/F	<b>Greenhouse gas limitation: corrosion and materials challenges for the capture and storage of carbon dioxide</b> F. Ropital, Institut Français du Pétrole, Vernaison/F	10:20 - 10:45
<b>The colza oil waste products processing's prospects</b> V. Vigdorovich, A. Tanygin, Tambov State Technical University/RUS	<b>Integrity of infrastructure - corrosion protection and monitoring</b> B. Isecke, Federal Institute for Materials Research and Testing, Berlin/D	10:45 - 11:10
Coffee Break		11:10 - 11:45
<b>Advances in Corrosion Protection by Organic Coatings: Symposium to Celebrate the Achievements of Prof. D. Scantlebury</b>	<b>WCO-Workshop: Needs for Corrosion Research to Solve Global Future Problems</b>	
<i>D.J. Mills, University College Northampton/UK</i>	<i>G. Hays, World Corrosion Organisation, Morristown, NJ/USA; G. Schmitt, IFINKOR-Institute for Maintenance and Corrosion Protection Technology gGmbH, Iserlohn/D; M. Schütze, DECHEMA e.V., Frankfurt am Main/D</i>	Chair(s)
<b>The role of local cells in the breakdown of organic coatings on metal substrates</b> J.M. Sykes, University of Oxford/UK	<b>Why addressing corrosion problems at the nanoscale will be increasingly important in the future</b> P. Marcus, École Nationale Supérieure de Chimie de Paris/F	11:45 - 12:10
<b>Galvanic model approach to study of localized corrosion inhibition on aluminum alloy by chromate and chromate-free pigments</b> S.B. Lyon, University of Manchester/UK; I.M. Zin, National Academy of Sciences, Lviv/UA; J. Walton, University of Manchester/UK; V.I. Pokhmurskii, M.B. Ratushna, L.M. Bily, National Academy of Sciences, Lviv/UA	<b>Materials challenges in the nuclear field</b> D. Féron, CEA Saclay, Gif-sur-Yvette/F	12:10 - 12:35
<b>Hybrid sol-gel/conducting polymer coatings for the corrosion protection of aluminium alloys</b> R. Akid, M. Gobarah, <b>Shifted to Coatings, Tuesday, 16:40</b> R. Akid, M. Gobarah, University of Northampton/UK	<b>Technology driven needs for future high temperature corrosion research</b> M. Schütze, DECHEMA e.V., Frankfurt am Main/D	12:35 - 13:00
	<b>International corrosion awareness and importance of students involvement and education on a global scale</b> A. Eliezer, Sami Shamoon College of Engineering, Beer-Sheva/IL	13:00 - 13:25
Break for Changing Lecture Hall		13:25 - 13:35
Closing Remarks		13:35 - 13:50
End of Scientific Programme		ca. 13:50

Thursday, 11 September 2008

Lecture Hall	Pentland (Level 3)	
09:00 - 09:45	INVITED PLENARY LECTURE Role of ozone and UV light in atmospheric corrosion of Ag D. Liang, G. Ma, Y. Wu, B. Wyslouzil, H.C. Allen, <u>G.S. Frankel</u> , Ohio State University, Columbus, OH/USA	
09:45 - 09:55	Break for Changing Lecture Hall	
Lecture Hall	Kilsyth (Level 0)	Ochil (Level 1)
	<b>Workshop on Marine Corrosion: Optimising the Performance of Copper Base Alloys in Sea Water Piping Systems</b> <i>Chair(s)</i> U. Kivisäkk, AB Sandvik Materials Technology, Sandviken/S	<b>Light Alloys in Transportation: Surface Treatment and Coatings of Aluminium /Fatigue of Titanium</b> A.J. Davenport, University of Birmingham/UK; G.M. Scamans, Innoval Technology, Banbury/UK
09:55 - 10:20	<b>Corrosion and protection of Cu-Ni pipe-work in Naval applications</b> J. Mawella, Ministry of Defence, Bristol//UK	<b>High resolution investigation of the copper-enriched layer formed during surface treatment of copper-containing aluminium alloys</b> F. Roeth, T. Hashimoto, <u>X. Zhou</u> , G.E. Thompson, P. Skeldon, University of Manchester/UK; G. Scamans, Innoval Technology, Banbury/UK; A. Afseth, Alcan Centre de Recherches de Voreppe/F; J. Hunter, Novelis Global Technology Centre, Kingston/CDN
10:20 - 10:45	<b>Research into biosensing and disruption technologies in marine environments</b> K.R. Stokes, DSTL Porton Down, Salisbury/UK	<b>In situ ellipsometric and electrochemical characterisation of oxide formed on aluminium in acetate buffer</b> <u>N. Giskeødegård</u> , Norwegian University of Science and Technology, Trondheim/N; O. Blajiev, A. Hubin, H. Terryn, Vrije Universiteit Brussel/B; O. Hunderi, K. Nisancioglu, Norwegian University of Science and Technology, Trondheim/N
10:45 - 11:10	<b>Use of copper-nickel alloys for seawater applications: experimental feedback and laboratory evaluation</b> <u>A.-M. Grolleau</u> , H. Le Guyader, V. Debout, DCNS Cherbourg/F	<b>Hydrogen trapping mechanism in timetal LCB alloy following high cycle fatigue performance</b> <u>G. Ben-Hamu</u> , D. Eliezer, Ben-Gurion University, Beer-Sheva/IL; L. Wagner, Clausthal University of Technology/D
11:10 - 11:45	Coffee Break	
	<b>Workshop on Marine Corrosion: Optimising the Performance of Copper Base Alloys in Sea Water Piping Systems</b> <i>Chair(s)</i> U. Kivisäkk, AB Sandvik Materials Technology, Sandviken/S	
11:45 - 12:10	<b>Chlorination of sea water - no problem for CuNi 90/10 piping?</b> <u>G. Schmitt</u> , IFINKOR-Institute for Maintenance and Corrosion Protection Technology gGmbH, Iserlohn/D; W. Schleich, KM Europa Metal AG, Osnabrück/D; K. Steinkamp, B. Sagebiel, R. Feser/D, Iserlohn University of Applied Sciences/D	
12:10 - 12:35		
12:35 - 13:00	<b>WP 9: Marine Corrosion – Business Meeting (approx. 1,5 hrs)</b>	
13:00 - 13:25		
13:25 - 13:35	Break for Changing Lecture Hall	
13:35 - 13:50	Closing Remarks	
ca. 13:50	End of Scientific Programme	

Thursday, 11 September 2008

Pentland (Level 3)	Lecture Hall
<p><b>INVITED PLENARY LECTURE</b>  <b>Role of ozone and UV light in atmospheric corrosion of Ag</b>                      D. Liang, G. Ma, Y. Wu, B. Wyslouzil, H.C. Allen, G.S. Frankel, Ohio State University, Columbus, OH/USA</p>	09:00 - 09:45
Break for Changing Lecture Hall	
09:45 - 09:55	
Fintry (Level 3)	Lecture Hall
<b>Metallic Coatings</b>	
<i>G.D. Wilcox, Loughborough University/UK</i>	<i>Chair(s)</i>
<p><b>KEYNOTE:</b>  <b>Electrolytic metal coatings and metal finishing using ionic liquids</b>                      K.S. Ryder, A.P. Abbott, University of Leicester/UK</p>	09:55 - 10:20
<p><b>The effect of ultrasound on the gold plating of silica nanoparticles for composite solders</b>                      R. Ashayer, Kings College London/UK; A.J. Cobley, Coventry University/UK; S.H. Mannan, Kings College London/UK; T.J. Mason, Coventry University/UK</p>	10:20 - 10:45
<p><b>Electrodeposition and corrosion resistance of nanocrystalline white bronze (CuSn) coatings</b>                      A. Hovestad, TNO Science &amp; Industry, Eindhoven/NL; M. Lekka, University of Trento/I; R.M.R. Willemsen, R.A. Tacken, TNO Science &amp; Industry, Eindhoven/NL; P.L. Bonnora, University of Trento/I</p>	10:45 - 11:10
Coffee Break	
11:10 - 11:45	
<b>Metallic Coatings</b>	
<i>G.D. Wilcox, Loughborough University/UK</i>	<i>Chair(s)</i>
<p><b>An investigation on corrosion behavior of duplex hard chromium coatings</b>                      M.R. Saghii Beyragh, University of Tabriz/IR and Islamic Azad University, Tabriz/IR; S. Khameneh Asl, University of Tabriz/IR; S. Norouzi, Tarbiat Modares University, Tabriz/IR</p>	11:45 - 12:10
<p><b>Corrosion behaviour of electrodeposited amorphous and nanocrystalline Co-W coatings</b>                      D. Weston, H. Capel, P.H. Shipway, S.J. Harris, University of Nottingham/UK</p>	12:10 - 12:35
<p><b>Coatings for use in telescopic joint used in a workover riser system</b>                      N. Espallargas, R. Johnsen, Norwegian University of Science and Technology, Trondheim/N; L. Lunde, FMC Kongsberg Subsea/N; J. Berget, SINTEF Materials and Chemistry, Trondheim/N</p>	12:35 - 13:00
<p><b>Electrochemical impedance study (EIS) of aluminium metal spray (AMS): effect of porosity and sealer use</b>                      T.A. Sumon, S.B. Lyon, University of Manchester/UK</p>	13:00 - 13:25
Break for Changing Lecture Hall	
13:25 - 13:35	
<b>Closing Remarks</b>	
13:35 - 13:50	
<b>End of Scientific Programme</b>	
ca. 13:50	

(Programme subject to change)

The posters will be displayed continuously throughout the conference. So the posters should be put up on Monday, 8 September 2008 at 09:00 a.m. at the latest and taken down at the end of the conference.

The poster authors are requested to be present at their poster(s) for discussions during the Poster Party on Monday, 8 September 2008 (17:05 – 19:30) and also during all coffee breaks.

### Cromdale Hall

#### Corrosion in the Petroleum Industries

- A 1** Now oral presentation in Refinery Process Corrosion: Wednesday, 10 September at 11:20
- A 2** **Fatigue failure of drilling collar**  
K. Abouswa, F. Elshawesh, H. Mahfouz, Libyan Petroleum Institute, Tripoli/LAR
- A 3** **Role of surface finish on fatigue failure of 316L stainless steel coil tube**  
A. Abdurrahim, F. Elshawesh, H. Mahfud, Libyan Petroleum Institute, Tripoli/LAR
- A 4** Cancelled
- A 5** **Effect of microstructure on the H<sub>2</sub>S corrosion inhibition of a high strength microalloyed steel by modified imidazolines**  
M. Lucio-García, Centro de Investigación en Materiales Avanzados, S.C., Cuernavaca/MEX; J.G. González-Rodríguez, Universidad Autonoma del Estado de Morelos, Cuernavaca/MEX, A. Martínez-Villafañe, A. Chacón-Nava, Centro de Investigación en Materiales Avanzados, S.C., Chihuahua/MEX
- A 6** **Corrosion behaviour and effects of microstructure of carbon steel welds within different aggressive environments**  
A. Abdurrahim, Libyan Petroleum Institute, Tripoli/LAR
- A 7** **Elemental sulphur in natural gas transport systems**  
D.S. de Freitas, M.G. Nunez, National Institute of Technology, Rio de Janeiro/BR; C. Moraes, Federal University of Rio de Janeiro/BR; J. de Mello Silva, Petrobras, Rio de Janeiro/BR
- A 8** **Corrosion study of carbon steel in simulated solution saturated with carbon dioxide**  
Y. Louafi, Ecole Normale Supérieure, Alger/DZ; M. Ladjouzi, Université des Sciences et Technologies Houari Boumediène, Alger/DZ
- A 9** Cancelled
- A 10** **Water treatment chemicals synergistic effect on the corrosion rate of L-80 steel in seawater, formation water and combination of both**  
A. Hasan, H. Al-Enazi, A. Al-Muhanna, Kuwait Oil Company, Ahmadi/KWT; J. Carew, Petroleum Research Center, Ahmadi/KWT

#### Marine Corrosion, Cathodic Protection and Microbial Corrosion

- B 1** Now oral presentation in Microbial Corrosion, Wednesday, 10 September at 16:40
- B 2** Cancelled
- B 3** **Biocorrosion of coatings by freshwater spores**  
C. Messal, MICOR GmbH, Groß Lüsewitz/D
- B 4** **Root cause failure analysis of 18" API 5L X-52 trunkline**  
A. Abdurrahim, F. Elshawesh, F. Jueli, K. Abusowa, Libyan Petroleum Institute, Tripoli/LAR
- B 5** **Microbiologic al corrosion of steel with Cd - coating in water - salt media containing SRB**  
S. Beloglazov, M. Myamina, A. Gribankova, Immanuel Kant State University of Russia, Kaliningrad/RUS
- B 6** Cancelled
- B 7** Cancelled
- B 8** Cancelled
- B 9** Cancelled
- B 10** **Electrochemical corrosion behavior of hot-dip aluminized steel in saline water**  
M. Shoeib, W.A. Ghanem, F.A. Bayoumi, Central Metallurgical R & D Institute, Cairo/ET; Y.F. Barakat, Eltebbin Institute, Cairo/ET

**Marine Corrosion, Cathodic Protection and Microbial Corrosion**

- B 11** **Enhancing corrosion resistance of stainless steel 304 using laser surface treatment**  
M. Shoeib, I. Ghayad, T. Mattar, H. Hussain, Central Metallurgical R & D Institute, Cairo/ET
- B 12** **Electrochemical properties of dental alloys in various solutions simulating saliva**  
P. De March, P. Berthod, Nancy-University, Vandoeuvre-les-Nancy/F
- B 13** **Study of the possible galvanic corrosion of several prosthetic alloys coupled with their usual post-solder in an artificial saliva**  
P. De March, P. Berthod, Nancy-University, Vandoeuvre-les-Nancy/F
- B 14** **Cancelled**
- B 15** **Cancelled**
- B 16** **Surface preparation and adhesion in the prevention of cathodic delamination**  
Z. Makama, J.R. Smith, I.B. Beech, University of Portsmouth/UK; M. Webb, I. Doble, D. Nicholson, PDM Neptec, Alton/UK; S.A. Campbell, University of Portsmouth/UK
- B 17** **Practical treatments of some characteristics of copper nickel protective films formed in artificial and natural sea water**  
M. Langer, S. Friedrich, Institut für Korrosionsschutz Dresden GmbH/D
- B 18** **Effects of sulfate content on the corrosion resistance of stainless steels in the fresh water environment**  
Y. Kim, POSCO Technical Research Lab., Pohang/ROK
- B 19** **The effect of electrical current flow, as a simulation of cathodic prevention, on early hydration rate and microstructure of cement-based materials**  
D. Koleva, K. van Breugel, J.H.W. de Wit, Delft University of Technology/NL

**Infrastructure Maintenance and Asset Management**

- C 1** **Corrosion of the building's steel in the water-alcohol environment**  
A. Gawdzik, S. Gajda, Opole University/PL; Sh. Kurmashev, Odessa National University-UA; M. Rybotycki, A. Sofronkov, Opole University/PL
- C 2** **Atmospheric corrosion of structural metals - active corrosion management using artificial neural network**  
M. Halama, Technical University of Kosice/SK; J. Lesebettens, Universiteit Gent/B; K. Kreislova, SVUOM Ltd., Prague/CZ; P. Linhardt, Vienna University of Technology/A
- C 3** **Investigation of some parameters on stress corrosion cracking of steel in prestressed concrete structures**  
E. Blactot, Laboratoire Central des Ponts et Chaussées, Paris/F; L. Gaillet, Laboratoire Central des Ponts et Chaussées, Nantes/F; I. Mabile, École Nationale Supérieure de Chimie de Paris/F; T. Chaussadent, Laboratoire Central des Ponts et Chaussées, Paris/F; E. Sutter, École Nationale Supérieure de Chimie de Paris/F
- C 4** **Performance of automated system for real time monitoring of atmospheric corrosion**  
M. Kouril, Institute of Chemical Technology in Prague/CZ; T. Prosek, French Corrosion Institute, Brest/F; Y. Degres, NKE Electronics, Hennebont/F; D. Thierry, French Corrosion Institute, Brest/F; K. Doubravova, Institute of Chemical Technology in Prague/CZ
- C 5** **Influence of cavitation on the galvanic corrosion of duplex stainless steels in LiBr solutions**  
D.M. García-García, J. García-Antón, A. Igual-Muñoz, Universidad Politécnica de Valencia/E
- C 6** **Wood degradation caused by ammonium phosphate and sulfate-based fire retardant**  
I. Kucerova, M. Ohlidalova, M. Novotna, A. Michalcova, Institute of Chemical Technology Prague/CZ
- C 7** **Corrosion behaviour of different types of steel reinforcement in concrete**  
M. Serdar, University of Zagreb/HR; I. Stipanovic Oslakovic, Civil Engineering Institute, Zagreb/HR; D. Bjegovic, University of Zagreb and Civil Engineering Institute, Zagreb/HR
- C 8** **Systematic inspection and maintenance with regard to reinforcement corrosion in marine concrete structures**  
H.E. Berge, Det Norske Veritas, Bergen/N
- C 9** **Oral presentation in the 49th Corrosion Science Symposium on Tuesday, 9 September at 14:25**

## Infrastructure Maintenance and Asset Management

- C 10 Atmospheric corrosion investigations on building materials in Tanzania**  
S. Potgieter-Vermaak, University of the Witwatersrand, Johannesburg/ZA; A. Mmari, Tshwane University of Technology, Pretoria/ZA; R. Van Grieken, University of Antwerp/B; J. Potgieter, Manchester Metropolitan University/UK
- C 11 Influence of surface quality of rebars on measured values of instantaneous corrosion rate of low-alloyed steel**  
E. Kalabisova, B. Eremias, T. Kubatik, P. Novak, SVUOM Ltd., Prague/CZ
- C 12 Now oral presentation in Infrastructure Maintenance and Asset Management: Tribocorrosion: Erosion-Corrosion and Biotribology on Wednesday, 10 September at 17:05**
- C 13 LMP Corrosion initiation and arrest in chloride contaminated concrete**  
S. Holmes, Loughborough University/UK

## High Temperature Corrosion Processes

- D 1 Oxidation behaviour of model cobalt-rhenium alloys in air and at low oxygen partial pressure**  
B. Gorr, S. Burk, 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
- D 2 Cancelled**
- D 3 Cancelled**
- D 4 The classification of influence that each factor gives to corrosion behavior of STBA24 in the reducing atmosphere including H<sub>2</sub>S**  
S. Najima, M. Nunokawa, M. Morinaga, H. Shirai, Central Research Institute of Electric Power Industry, Yokosuka/J
- D 5 Corrosion behaviour of selected sprayed coatings in model environment simulating situation in communal waste incineration boilers**  
J. Cizner, SVUM Praha a.s./CZ; J. Pitter, ATG s.r.o., Praha/CZ
- D 6 Several possible consequences of high temperature oxidation for the sub-surface microstructure of carbides-containing alloys**  
P. Berthod, Nancy-University, Vandoeuvre-les-Nancy/F
- D 7 Correlation between the external oxide scale adherence and the bulk's thermal expansion behaviour for several carbides-strengthened refractory alloys**  
P. Berthod, Nancy-University, Vandoeuvre-les-Nancy/F
- D 8 Now oral presentation in High Temperature Corrosion Processes on Monday, 8 September at 16:15**
- D 9 Cancelled**
- D 10 Effect of the O<sub>2</sub> in the high temperature corrosion of metallic materials in waste incineration atmosphere**  
M. Sánchez-Pastén, Instituto Politécnico Nacional, Mexico City/MEX; H.J. Grabke, MPI für Eisenforschung GmbH, Düsseldorf/D
- D 11 Kinetics and oxidation properties of high-density ferritic stainless steels manufactured by powder metallurgy**  
C. Moral, A. Bautista, Universidad Carlos III de Madrid/E
- D 12 Hot corrosion of new type coatings, magnetron sputter ion-plated CrAlYN, Hauser coating of TiAlYN/CrN+Al<sub>2</sub>O<sub>3</sub> deposited by HIPIMS and TiAlN with Al<sub>2</sub>O<sub>3</sub> overlayer from Hauser deposited by Dual Magnetron Sputtering at 750°C 50hrs test**  
T.D. Dudziak, A.W. Wilson, P.D. Datta, Northumbria University, Newcastle/UK
- D 13 Thermal behaviour of chlorine during MSW combustion process - an approach to estimate chlorine influence on high temperature corrosion**  
W. Ma, S. Rotter, Berlin Institute of Technology/D

**Nuclear Industries and Waste Disposal**

- E 1 Corrosion status of Paks NPP secondary circuit**  
G Patek, J. Schunk, T. Pintér, P. Tilky, Paks Nuclear Power Plant Ltd./H; J. Ősz, University of Budapest/H
- E 2 Stress corrosion cracking of AISI 304 stainless steel**  
O. Necib, S.B. Lyon, A. Sherry, University of Manchester/UK

**Corrosion Mechanisms and Methods including Local Characterisation of Corrosion Processes**

- F 1 Identification of bond pad cratering on semiconductor devices utilizing gold and aluminium corrosion and optical microscopy**  
J. Kiefer, B. Schindler, A. Leipertz, University of Erlangen-Nuremberg/D
- F 2 The effect of the exchange current density on the stress corrosion cracking of some systems**  
S.B. Farina, G.S. Duffó, Comisión Nacional de Energía Atómica, Buenos Aires/RA; J.R. Galvele, Universidad Nacional de San Martín, Buenos Aires/RA
- F 3 Study of corrosion behavior of Al(CuFeCo) nanoparticles in solution using EIS and LPR**  
A. Torres-Islas, G. Rosas, Universidad Michoacana de San Nicolás de Hidalgo, Morelia/MEX; J.G. Gonzalez-Rodriguez, S. Serna, Universidad Autónoma del Estado de Morelos, Cuernavaca/MEX
- F 4 Cancelled**
- F 5 Influence of malachite morphology on copper release in drinking water systems**  
I. Vargas, M. Alsina, P. Pasten, G. Pizarro, Pontificia Universidad Católica de Chile, Santiago/RCH
- F 6 Cancelled**
- F 7 Cancelled**
- F 8 Failure analysis of external 3 layer extruded polyethylene based (3 LPE) coatings for gas/oil transmission pipelines buried in soil**  
U. Majeed, University of Punjab, Lahore/PK; A. Hussain, Comtech GmbH, Munich/D; M.A. Butt, I.H. Khan, University of Punjab, Lahore/PK
- F 9 Influence of alloying additions on pitting and crevice corrosion of stainless steels in NaCl and NaBr solutions**  
R. Pettersson, J. Flyg, Swerea KIMAB, Stockholm/S
- F 10 Cancelled**
- F 11 Electrochemical micromachining of high alloyed steels in nonaqueous electrolytes using short voltage pulses**  
R. Richter, DECHEMA e.V., Frankfurt am Main/D; E. Moustafa, R. Schuster, University of Karlsruhe/D; W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D
- F 12 Passive state stability of the stainless materials in FGD plants**  
V. Cihal, S. Lasek, Z. Krhutova, M. Blahetova, J. Mika, Technical University of Ostrava/CZ; E. Kalabisova, SVUM Ltd., Praha/CZ
- F 13 Detection of localized corrosion of AISI 316L steel by means of electrochemical noise**  
M. Kouril, L. Joska, J. Hak, Institute of Chemical Technology, Prague/CZ
- F 14 Pitting corrosion of a highly-alloyed austenitic stainless steel in aqueous LiBr solutions at different temperatures**  
E. Blasco-Tamarit, A. Igual-Muñoz, J. García-Antón, D.M. García-García, Universidad Politécnica de Valencia/E
- F 15 Comparative study of electrochemical methods and image analysis for the characterization of alloy 146, 279, 900, and 926 sensitization to intergranular corrosion**  
R. Leiva, M.J. Muñoz-Portero, J. García-Antón, Universidad Politécnica de Valencia/E
- F 16 Influence of temperature and applied potential on the electrochemical behaviour of nickel in LiBr solutions by means of electrochemical impedance spectroscopy**  
V. Guiñón-Pina, A. Igual-Muñoz, J. García-Antón, Universidad Politécnica de Valencia/E
- F 17 Effect of bromide ion activity on the pourbaix diagrams for chromium in concentrated aqueous lithium bromide solutions**  
M.J. Muñoz-Portero, J. García-Antón, J.L. Guiñón, V. Pérez-Herranz, Universidad Politécnica de Valencia/E

## Corrosion Mechanisms and Methods including Local Characterisation of Corrosion Processes

- F 18 Corrosion of low chromium steels in geothermal water**  
A. Lukaszczyk, B. Mazurkiewicz, W. Solarski, J. Banas, University of Science and Technology, Cracow/PL
- F 19 Corrosion behavior of Al and Al alloys in dilute chloride ion containing solutions**  
M. Sakairi, A. Kaneko, Hokkaido University, Sapporo/J; Y. Seki, D. Nagasawa, Nippon Light Metal Co. Ltd., Shizuoka/J
- F 20 Now oral presentation in Corrosion Mechanisms & Methods on Monday, 8 September at 11:00**
- F 21 Sensitization of PM duplex stainless steels**  
F. Martín, C. García, Y. Blanco, University of Valladolid/E
- F 22 Quantifying pitting corrosion in an automotive exhaust application**  
B. Kämmerer, S. Horn, F. Haider, University of Augsburg/D; G. Mori, J. Haberl, University of Leoben/A; H. Wieser, EMCON Technologies, Augsburg/D
- F 23 Cancelled**
- F 24 Influence of nitrogen ion implantation on the corrosion electrochemical behavior of Ti-5Al-1.5V-1.0Mo titanium alloy**  
O. Kalakhan, G. Okhota, National Academy of Sciences of Ukraine, Lviv/UA; H. Pokhmurska, B. Wielage, University of Technology, Chemnitz/D
- F 25 Corrosion in electronics**  
M. Jellesen, D. Minzari, P. Møller, R. Ambat, Technical University of Denmark, Lyngby/DK
- F 26 Application of electrochemical techniques on magnesium alloys: possibilities and limitations**  
M. Nascimento, C. Fleck, Technical University of Berlin/D; D. Mueller, Charité Universitätsmedizin, Berlin/D
- F 27 Experimental evidence of the evolution of the oxide barrier layer during corrosion of low alloyed steels**  
F.A. Martin, CEA Saclay, Gif sur Yvette/F; H. Antony, CORRODYS, Equeurdreville/F; C. Bataillon, CEA Saclay, Gif sur Yvette/F
- F 28 The effect of tempering temperature on the corrosion of austenitic stainless steels in oxalic acid**  
H. Potgieter, Manchester Metropolitan University/UK; S. Afolabi, N. Ramsoochit, University of the Witwatersrand, Johannesburg/ZA
- F 29 Influence of humic and fulvic acid on copper pipe corrosion**  
A. Reyes, M.V. Letelier, G. Lagos, Pontificia Universidad Católica de Chile, Santiago de Chile/RCH
- F 30 Study of corrosion inhibition of magnesium alloys using four complementary scanning microelectrode techniques**  
O.V. Karavaj, A.C. Bastos, M.L. Zheludkevich, University of Aveiro/P; S.V. Lamaka, M.G.S. Ferreira, Technical University of Lisbon/P
- F 31 In situ oxidation of zirconium binary alloys**  
C. Proff, S. Abolhassani, Paul Scherrer Institute, Villigen-PSI/CH; M.M. Dadras, University of Neuchâtel/CH
- F 32 Cancelled**
- F 33 Oral presentation in Advances in Corrosion Protection by Organic Coatings on Thursday, 11 September at 9:55**
- F 34 Influence of bromine contents on the corrosion behavior of mild steel in flue gas desulfurization plants**  
P. Gümpel, Hochschule Konstanz/D; S. Hochstrasser-Kurz, WITg, Tägerwilen/CH

## Coatings

- G 1 Anticorrosive properties of electrosynthesized poly(m-aminophenol) on copper from aqueous phenylphosphonic acid solution**  
G. Bereket, B. Duran, Eskisehir Osmangazi University/TR
- G 2 Now oral presentation in Coatings on Tuesday, 9 September at 14:25**
- G 3 Chromate-free pigments for protection of aluminium alloy D16**  
S.V. Oleynik, Y.A. Kuzenkov, N.P. Andreeva, Y.I. Kuznetsov, Russian Academy of Sciences, Moscow/RUS; I.M. Zin, National Academy of Sciences of Ukraine, Lviv/UA; S.B. Lyon, Manchester University/UK



**Coatings**

- G 4**      **Now oral presentation in Coatings on Monday, 8 September at 11:25**
- G 5**      **Corrosion protection of aluminium alloys by surface mechanical attrition treatment**  
C. Henon, Alcan CRV, Voreppe/F; D. Reiraint, C. Martin, Université de Technologie de Troyes/F
- G 6**      **Influence of thermal sprayed aluminium coatings on the corrosion behaviour of magnesium alloys**  
M. Carboneras, M.D. López, M. Campo, B. Torres, P. Rodrigo, E. Otero, J. Rams, Universidad Rey Juan Carlos, Móstoles/E
- G 7**      **A type of phosphate wash primer which can converse rust to a considerable extent**  
K.Z. Chen, Guangzhou Research Institute of Electric Apparatus, Lujiang/PRC
- G 8 LMP**   **Corrosion-wear studies on PVD coatings for aeronautical applications**  
R. Bayón, A. Igartua, G. Mendoza, X. Fernández, I. Ciarsolo, U. Ruiz de Gopegui, Fundación TEKNIKER, Eibar/E
- G 9 LMP**   **Electroplating of an improved hard nickel coating with silicon carbide and cubic boron nitride nanoparticles from nickel sul-famate / ammonium chloride based bath**  
N. Gordon, S. Tamir, Technion, Haifa/IL

**Corrosion Inhibition, Nano-coatings and Smart Coatings**

- H 1**      **Behavior of inhibitor protective film in a X-80 steel in NACE solution**  
A. Torres-Islas, J. Uruchurtu, Universidad Autonoma del Estado de Morelos, Cuernavaca/MEX; B. Campillo, J. Juarez-Islas, Universidad Nacional Autonoma de México, Morelos/MEX; S. Serna, J.G. Gonzalez-Rodriguez, Universidad Autonoma del Estado de Morelos, Cuernavaca/MEX
- H 2**      **Validation of the method for determination of residual corrosion inhibitor content in oilfield brines and quantification of measurement uncertainty**  
D. Dolezal, INA-Oil Industry, Zagreb/HR
- H 3**      **Xylenol orange as corrosion inhibitors for aluminum in trichloroacetic acid (TCA)**  
P. Desai, Arts, Science & Commerce College Kholwad, Surat/IND; R.R. Vashi, Navyug Science College, Surat/IND
- H 4**      **Cancelled**
- H 5**      **Characterization of corrosion resistance properties of radiofrequency cold plasma nitrated carbon steel C38: effect of hydrogen addition**  
F. Bouanis, C. Jama, M. Traisnel, École Nationale Supérieure de Chimie de Lille, Villeneuve d'Ascq/F; F. Bentiss, Université Chouaib Doukkali, Eljadida/MA
- H 6**      **Cancelled**
- H 7**      **Thiourea influence on copper pitting corrosion in alkaline-chloride solutions**  
E. Skrypnikova, S. Kaluzhina, E. Popova, Voronezh State University/RUS
- H 8**      **Cancelled**
- H 9**      **Corrosion behaviour of nano-crystalline MAX phase nc-TiC/a-SiC**  
E. Ottesen-Hansen, Nokia Denmark, Copenhagen V/DK; R. Ambat, P. Møller, D. Minzari, Technical University of Denmark, Kgs. Lyngby/DK; P. Leisner, N. Gunnarsson, Acreo AB, Jönköping/S; H. Ljungcrantz, Impact Coatings, Linköping/S
- H 10**     **Cancelled**
- H 11**     **Self-healing coating with fluoro-organic compound for zinc**  
A. Yabuki, R. Kaneda, Hiroshima University/J
- H 12**     **Corrosion behavior of the silica coatings on the aluminum surface by plasma electrolytic technique**  
M. Ehteshamzadeh, D. Salehi Doolabi, Shahid Bahonar University of Kerman/IR; M. Asadi Zarch, Azad University of Yazd/IR
- H 13**     **Cancelled**
- H 14**     **Inhibition effects of some new polymers on corrosion of carbon steels from industrial cooling water**  
I. Branzoi, University Politehnica of Bucharest/RO; A. Stanca, Institute Energy Research of Bucharest/RO; F. Golgovici, University Politehnica of Bucharest/RO; F. Branzoi, Institute of Physical Chemistry/RO

## Corrosion Inhibition, Nano-coatings and Smart Coatings

- H 15 **Cancelled**
- H 16 **Synergetic effect of corrosion inhibitor for production of mild steel used in cooling water system**  
T. Abohalguma, F. Elshawesh, O. Regai, Libyan Petroleum Institute, Tripoli/LAR
- H 17 **Silanes and cerium salts for post-treatment on ZnNi coatings**  
C.B. Santos, Fraunhofer-IPA, Stuttgart/D; J-P. Bonino, F. Ansart, E. Xuereb, Université Paul Sabatier, Toulouse/F; C. Salacruch, P. Bares, MECAPROTEC Industries, Muret/F; T. Menezes, C. Malfatti, PPGEM-UFRGS, Porto Alegre/BR; J. Alexis, LPG-ENIT, Tarbes/F
- H 18 **Improve the corrosion resistance of stainless steel 316L in simulated body fluid**  
N. Abdel Ghany, A. El-Basiony, National Research Centre, Cairo/ET
- H 19 **A structural and corrosion investigation of glymo-POSS coatings on AA 2024 aluminium alloy**  
A. Surca Vuk, P. Jamnik, I. Jerman, B. Orel, National Institute of Chemistry, Ljubljana/SLO
- H 20 **A corrosion investigation of sol-gel functionalized POSS coatings on AA 2024-T3 aluminium alloy**  
I. Jerman, A. Surca Vuk, M. Kozelj, B. Orel, National Institute of Chemistry, Ljubljana/SLO; J. Kovac, Jozef Stefan Institute, Ljubljana/SLO

## Polymers, Coatings and Corrosion in Transport

- I 1 **Pipeline coating for horizontal direction drilling (HDD) crossings**  
M. Nabil, PETROJET, Cairo/ET
- I 2 **Electrochemical study of Polypyrrole/NiOCoO composite in neutral media**  
A. Banu, Politehnica University of Bucharest/RO; M. Marcu, T. Spataru, Physical Chemistry Institute IG Murgulescu, Bucharest/RO; O. Radovici, Politehnica University of Bucharest/RO
- I 3 **Corrosion resistance of the Si+Na - enriched surface layer formed on titanium**  
D. Krupa, J. Baszkiewicz, J. Zdunek, T. Borowski, Warsaw University of Technology/PL; J. Smolik, Institute for Terotechnology, Radom/PL
- I 4 **Corrosion resistance of the surface layers formed on titanium by plasma electrolytic oxidation**  
J. Baszkiewicz, D. Krupa, J. Mizera, T. Borowski, Warsaw University of Technology/PL
- I 5 **Cancelled**
- I 6 **Inhibition of stainless steel corrosion by indole-carbazole copolymers**  
B. Ustamehmetoglu, M. Erginer, E. Sezer, S. Tayyar, Istanbul Technical University/TR
- I 7 **Application of ketone based resins as anticorrosive coating**  
E. Sezer, K. Coban, N. Kızılcın, Istanbul Technical University/TR
- I 8 **Electrochemical behavior of diamond-like carbon (DLC) deposited via magnetron sputtering on biomedical alloys in the simulated body fluid environment**  
I.V. Branzoi, University Politehnica of Bucharest/RO; M. Iordoc, R. Vasilescu-Mirea, S. Hodoroagea, ICPE-CA National Institute for Research and Development in Electrical Engineering INCDIE ICPE, Bucharest/RO
- I 9 **Design-experiment estimation of paint coat durability according to certification test results**  
V. Korolov, Y. Vysotsky, Y. Sulima, N. Magynova, OJSC "V. Shimanovsky, UkrRDISteelconstruction", Makeevka/UA
- I 10 **Cancelled**
- I 11 **Corrosion protection with fluoropolymers**  
C. Jensen, H.G. Brouzes, Acccoat A/S, Kvistgaard/DK
- I 12 **Comparison of properties of waterborne and solventborne coatings**  
V. Alar, I. Juraga, V. Šimunovic, I. Stojanovic, University of Zagreb/HR
- I 13 **Corrosion testing of duplex-coatings for buried ductile iron pipes**  
P. Linhardt, G. Ball, Vienna University of Technology/A

**Polymers, Coatings and Corrosion in Transport**

- I 14 **Cancelled**
- I 15 **Cancelled**
- I 16 **Thin commercial chemical conversion coatings**  
A.M Pereira, G. Pimenta, Materials Laboratory of Quality and Welding Institute, Oeiras/P

**Managing Corrosion for Sustainability**

- J 1 **Cancelled**
- J 2 **Molten salt corrosion evaluation for solar power plants**  
V. Madina, O. Zubillaga, G. Imbuluzqueta, INASMET-Tecnalia, San Sebastián/E

**Metallic Coatings**

- K 1 **Cancelled**
- K 2 **Cancelled**
- K 3 **Micro-corrosion of ultra thin DLC films in magnetic recording disk**  
A.-H. Tan, Ching Yun University, Chung-Li/RC
- K 4 **Wear-corrosion properties of Ni/Al<sub>2</sub>O<sub>3</sub> nano-composite coatings electrodeposited on Ti-6Al-4V alloy**  
C. Lee, C. Chen, C. Huang, A.-H. Tan, Ching Yun University, Chung-Li/RC
- K 5 **The specific corrosion behaviour of zinc-nickel alloy coating used for vehicle components**  
K. Kreislova, B. Eremias, SVUOM Ltd., Prague/CZ; L. Kopecky, Czech Technical University, Prague/CZ;  
M. Smetana, VUK Ltd., Panenske Brezany/CZ
- K 6 **High temperature oxidation of aluminized and uncoated ferritic-martensitic boiler steels**  
J. Metsäjoki, E. Huttunen-Saarivirta, T. Lepistö, Tampere University of Technology/FIN
- K 7 **Evaluation of the utility of stainless steel electroplated with zinc in thiourea industry - a case study**  
S. Rajendran, M. Vimala, GTN Arts College, Dindigul/IND; V.A. Brigita, RVS College of Education, Dindigul/IND;  
J. Arockia Selvi, S.A. Kanimozhi, GTN Arts College, Dindigul/IND; A.J. Amalraj, Loyola College, Chennai/IND; B. Narayanasamy,  
College of Engineering, Madurai/IND
- K 8 **Cancelled**
- K 9 **Electrochemical studies on electroless ternary and quaternary nano Ni-P based alloys**  
M. Shoeib, Central Metallurgical R & D Institute, Cairo/ET; O.R.M. Khalifa, E.A. Abd El-Wahab, A.H. Marei, H.A. Mohamed,  
Ain Shams University, Cairo/ET

**Workshop on Pitting Corrosion**

- L 1 **Corrosion resistance of carbon steel under heat transfer in alkaline solutions**  
N. Muratova, Voronezh State Technical University/RUS; S. Kaluzhina, L. Ivanova, Voronezh State University/RUS
- L 2 **Detection of reinforcement corrosion by ultrasonic pulse velocity measurements**  
A. Cobo Escamilla, E. Moreno Fernández, M.I. Prieto Barrio, Universidad Politécnica de Madrid/E
- L 3 **Poincaré section and quasi-periodicity in the detection of pitting corrosion of metals**  
G.A. Vazquez-Coutiño, Universidad Autonoma Metropolitana-Iztapalapa, Mexico City/MEX; E.A. Cázares-Ibañez, Instituto Mexicano del  
Petroleo, Mexico City/MEX; J. Castillo, J. Genescá, Universidad Nacional Autónoma de México, Mexico City/MEX
- L 4 LMP **New corrosion protection additive in powder form for steel reinforced concrete**  
B. Gerharz-Kalte, M. Schottler, ELOTEX GmbH, Frankfurt/D

## Light Alloys in Transportation

- M 1** **Influence of sulfate nickel and borac on the corrosion and SCC behaviour of anodic coated 1050 Al-alloys**  
P. Spathis, E. Papastergiadis, Aristotle University of Thessaloniki/GR
- M 2** **Correlation between mechanical surface treatments and corrosion behavior of aluminum alloys**  
M. Mhaede, M. Wollmann, L. Wagner, Clausthal University of Technology/D
- M 3** **Morphology and growth of porous anodic films on Al-Cu-Li alloys in sulphuric acid**  
F. Viejo, M. Curioni, R. Arrabal, F.J. García-García, P. Skeldon, University of Manchester/UK; A. Pardo, Universidad Complutense de Madrid/E; G.E. Thompson, University of Manchester/UK; T. Warner, Alcan Centre de Recherches de Voreppe/F
- M 4** **Effect of the heat treatment on the corrosion rate of a dual phase steel in 0.5M H<sub>2</sub>SO<sub>4</sub>**  
A. Ramírez Arteaga, Centro de Investigación en Materiales Avanzados, Cuernavaca/MEX; J.G. González-Rodríguez, Universidad Autónoma del Estado de Morelos, Cuernavaca/MEX; B. Campillo, Universidad Nacional Autónoma de México, Cuernavaca/MEX; V.M. Salinas-Bravo, Instituto de Investigaciones Eléctricas, Cuernavaca/MEX; L. Leduc-Lezama, TEMIUM-HyLSA, Monterrey/MEX; A. Martínez-Villafañe, M.A. Neri-Flores, Centro de Investigación en Materiales Avanzados, Chihuahua/MEX
- M 5** **Corrosion behaviour of WE43 and AZ91D magnesium alloys with silicate PEO coatings**  
R. Arrabal, E. Matykina, F. Viejo, The University of Manchester/UK; A. Pardo, Universidad Complutense de Madrid/E; P. Skeldon, G.E. Thompson, The University of Manchester/UK

## Workshop on Computer Modelling in Corrosion

- N 1** **Electromagnetic response of pigments in corrosion protective coatings**  
S. Croll, B. Hinderliter, North Dakota State University, Fargo, ND/USA
- N 2** **Application of Monte Carlo simulation to electrochemical thermodynamics and kinetics of transition metal oxide film**  
S.W. Kim, H.P. Kim, S.S. Hwang, Korea Atomic Energy Research Institute, Daejeon/ROK
- N 3** **Simulation and experiments on the corrosion mechanism of Zr under VVER circumstances**  
A. Somogyi, Z. Kerner, Á. Horváth, KFKI Atomic Energy Research Institute, Budapest/H
- N 4** **Modelling structural corrosion in aluminium alloys effects of heat treatment**  
B. Malki, B. Baroux, SIMAP, Grenoble/F; J. Delfosse, D. Schuster, EADS S.A.S., Suresnes/F

## 49th Corrosion Science Symposium

- O 1** **Intelligent data processing: a concrete field?**  
J. Butcher, C. Day, P. Haycock, Keele University/UK; M. Hocking, SciSite Limited, Keele University Science Park/UK
- O 2** **Future proof organic coatings**  
M. Carnie, University of Wales, Swansea/UK
- O 3** **Investigations into the photodegradation of polymer coatings using novel techniques to measure and predict coating lifetimes**  
S. Cashmore, University of Wales, Swansea/UK
- O 4** **Printing technologies for photovoltaic coatings on steel**  
M. Cherrington, University of Wales, Swansea/UK
- O 5** **Universal growth rate law of initial oxidation on the mott-cabrera model I -pure metals-**  
I. Ishikawa, H. Nanjo, National Institute of Advanced Industrial Science and Technology, Sendai/J
- O 6** **Universal growth rate law of initial oxidation on the mott-cabrera model II -binary alloys-**  
I. Ishikawa, H. Nanjo, National Institute of Advanced Industrial Science and Technology, Sendai/J
- O 7** **Mechanistic studies of stress corrosion cracking of alloy 600 in high temperature high pressure water**  
F. Léonard, R.A. Cottis, University of Manchester/UK; F. Vaillant, EDF/F

49th Corrosion Science Symposium

- 0 8** Cancelled
- 0 9** **Investigation of metal substrates for photovoltaic applications**  
B. Philip, University of Wales, Swansea/UK
- 0 10** **Corrosion qualification and certification system in Czech Republic**  
J. Pitter, ATG s.r.o., Praha/CZ; H. Paterova, APC, Praha/CZ
- 0 11** **Corrosion awareness among higher secondary school students - an Indian scenario**  
S. Rajendran, M. Vimala, G. Gantham, J. Arockia Selvi, S. Agnesia Kanimozhi, Corrosion Research Centre, Dindigul/IN;  
J. Amalraj, Loyola College, Chennai/IN; B. Narayanasamy, Thiagarajar College of Engineering, Madurai/IN
- 0 12** **Comparison of corrosion behaviour of austenitic steels after standard electropolishing and magnetoelectropolishing**  
K. Rokosz, T. Hryniewicz, Politechnika Koszalin, Koszalin/PL; R. Rokicki, Electrobright, Macungie, PA/USA
- 0 13** **Investigation on the corrosion behaviour of WC-12Co and WC-17Co thermal spray coatings by HVOF**  
F. Tazesh, Sh. Khameneh Asl, M.R. Saghi Beyragh, University of Tabriz/IR; S. Norouzi, Tarbiat Modares University/IR
- 0 14 LMP Aluminium electrodeposition from ionic liquids - a new technique for corrosion and oxidation resistance?**  
M.A. Craig, M. Robinson, J.R. Nicholls, Cranfield University/UK; S. Caporali, Universita di Firenze/I
- 0 15 LMP Investigation into effect of surface preparation method on performance of organic coatings on steel**  
D.J. Mills, University of Northampton/UK; K. Schaefer, University of Northampton/UK and Technical University of Gdansk/PL

Programme subject to change

## Poster Award

The poster presentation is an important part of the scientific programme. This role will be emphasised in Edinburgh by the Best Poster Award which will be awarded to 3 poster presentations. The ceremony will take place during the Congress Dinner on Wednesday, 10 September 2008.

We would like to thank the **NACE - UK section** for sponsoring.

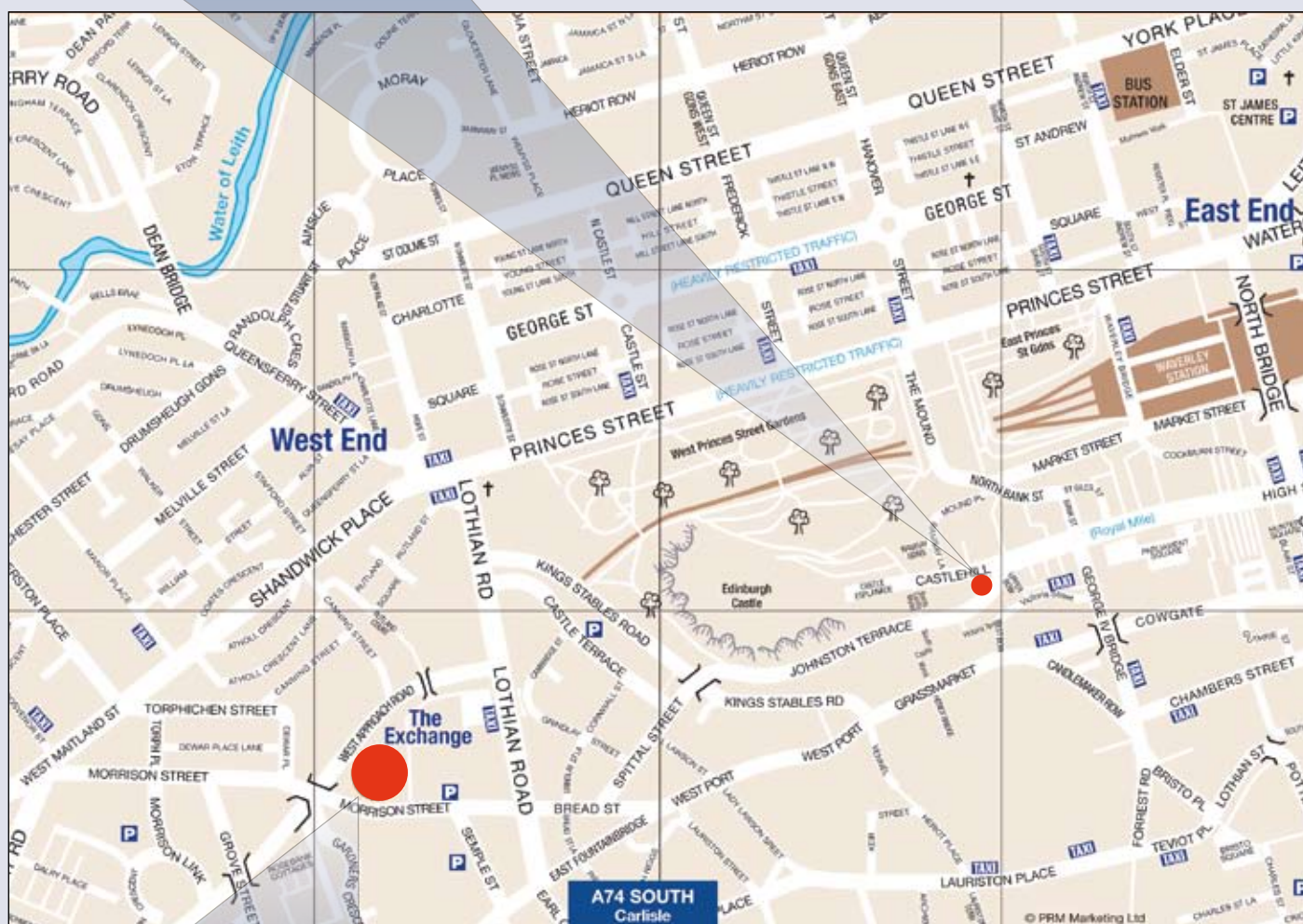
### Working Party Business Meetings

Please note: most of the working party business meetings will take place after the sessions. Please find the updated information about the rooms and definite dates at [www.eurocorr.org](http://www.eurocorr.org).

- WP 1 Corrosion and Scale Inhibition (G. Schmitt) Room Kilsyth, Level 0**  
Tuesday, 9 September 2008, 12:10, approx. 1 hr (directly after the session)
- WP 3 Corrosion by Hot Gases and Combustion Products (M. Schütze) Room Moorfoot, Level 0**  
Tuesday, 9 September 2008, 17:30, approx. 1 hr (directly after the session)
- WP 4 Nuclear Corrosion (D. Féron)**  
Wednesday, 10 September 2008, 17:05, approx. 2 hrs – part 1 **Room Tinto, Level 0**  
Thursday, 11 September 2008, 10:00, approx. 2.5 hrs – part 2 **Room Moorfoot, Level 0**
- WP 5 Environment Sensitive Fracture (J. Olive)**  
No meeting in 2008
- WP 6 Surface Science (P. Marcus)**  
No meeting in 2008
- WP 7 Corrosion Education and Computer Applications (R.A. Cottis) Room Ochil, Level 1**  
Tuesday, 9 September 2008, 17:55, approx. 1 hr (directly after the 49th CSS)
- WP 8 Physico-chemical Methods of Corrosion Testing (J.M.C. Mol)**  
No meeting in 2008
- WP 9 Marine Corrosion (U. Kivisäkk) Room Kilsyth, Level 0**  
Thursday, 11 September 2008, 12:35, approx. 1.5 hrs (directly after the workshop)
- WP 10 Microbial Corrosion (R. Gubner) Room Fintry, Level 3**  
Wednesday, 10 September 2008, 17:05, approx. 1 hr (directly after the session)
- WP 11 Corrosion of Steel in Concrete (M. Raupach) Room Harris, Level 1**  
Tuesday, 9 September 2008, 17:55, approx. 1 hr (directly after the session)
- WP 13 Corrosion in Oil and Gas Production (S. Olsen) Room Moorfoot, Level 0**  
Wednesday, 10 September 2008, 11:20 – 16:30
- WP 14 Coatings (L. Fedrizzi) Room Sidlaw, Level 3**  
Tuesday, 9 September 2008, 17:30, approx. 1.5 hrs (directly after the session)
- WP 15 Corrosion in the Refinery Industry (F. Ropital) Room Harris, Level 1**  
Monday, 8 September 2008, 11:00 – 12:40
- WP 16 Cathodic Protection (M. Roche) Sheraton Grand Hotel & Spa**  
Tuesday, 9 September 2008, 16:15, approx. 2 hrs
- WP 17 Automotive Corrosion (F. Hannour)**  
No meeting in 2008
- WP 18 Tribo-Corrosion (J.-P. Celis)**  
No meeting in 2008
- WP 19 Corrosion of Polymer Materials (R. Morach) Room Moorfoot, Level 0**  
Wednesday, 10 September 2008, 8:00 – 12:00
- WP 20 Corrosion and Corrosion Protection of Drinking Water Systems Sheraton Grand Hotel & Spa**  
Wednesday, 10 September 2008, 16:30 - 18:30

(as of 22 August 2008; time schedule is subject to change)

Congress Dinner  
at the "Hub"  
Castlehill  
EH1 2NE Edinburgh/UK



EICC Edinburgh International  
Conference Centre  
150 Morrison Street  
EH3 8EE Edinburgh/UK

## List of Exhibitors (as of 22 August 2008)



Accoat A/S  
Kvistgaard/DK



DECHEMA e.V.  
Frankfurt am Main/D



ICorr – Institute of Corrosion  
Bedfordshire/UK



NACE International  
Houston, TX/USA



ACM Instruments  
Cark-in-Cartmel/UK



EFC – European Federation  
of Corrosion  
Frankfurt am Main/D,  
London/UK, Paris/F



icorr Ltd.  
Aberdeen/UK



Pepperl + Fuchs GmbH  
Mannheim/D



Alicona Imaging GmbH  
Grambach/A



Gamry Instruments Inc.  
Warminster PA/USA



Ingenieurbüro Peter Schrems  
Münster/D



Poligrat GmbH  
München/D



Autolab Instruments + Windsor  
Scientific, Utrecht/NL



GfKORR e.V.  
Frankfurt/D



The Institute of Materials,  
Minerals and Mining  
London/UK



Thermo Scientific NITON  
Analyzers  
München/D



Bio-Logic SAS  
Claix/F



Grillo-Werke AG  
Duisburg/D



Ion Science Ltd  
Fowlmere, Cambridge/UK



WCO – World Corrosion  
Organization  
Morristown, NJ/USA



Bodycote Testing Group  
Manchester/UK



Haynes International  
Cergy-Pontoise/F



The Institute of Metal Finishing  
Birmingham/UK



Winn & Coales (Denso) Ltd  
London/UK



CAPCIS Ltd.  
Manchester/UK



Hockway Ltd.  
Redhill Surrey/UK



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