

**2008 SPE 4th International Oilfield Corrosion Conference
27 May 2008**

TECHNICAL PROGRAMME

Tuesday, 27 May, 09:00 to 10:30

Gordon A

Session 1: Extending the Performance Envelope of Existing Technology

Session Chairpersons: Zeinab Marsh, iicorr
Robert Stalker, Scaled Solutions

- | | | |
|-------------|---------------|---|
| 0900 | 114141 | Corrosion Management For Aging Pipelines - Experience From the Forties Field
J. Marsh, T. The and S. Ounnas, JP Kenny /IONIK Consulting;
M. Richardson, Apache |
| 0930 | 114140 | The Use of Carbon Steel in Highly Sour Oil and Gas Production Systems
B.V. Johnson, M.J.H. Al-Ghafri, A.S.M. Al-Harthy and S.N. Kompally, PDO; G. Dicken, M.J. Schofield, K. Bruce and D.G. John, Intertek CAPCIS |
| 1000 | 114125 | Increasing the Life of Flare Tips
A.B. Fox, Shell; Y.Y. Huang, D. Rafik, J. Williamson, T.C. Lindley and P.D. Lee, Imperial College |

Tuesday, 27 May, 10:45 to 12:15

Gordon A

Session 2: Corrosion Assessment

Session Chairpersons: Tutu Fapohunda, ConocoPhillips
Derek McNaughtan, Oceaneering

- | | | |
|-------------|---------------|---|
| 1045 | 114134 | Cathodic Protection System Life Assessment
D.C. Buxton and D.G. John, CAPCIS |
| 1115 | 114078 | Erosion-Corrosion of Pipeline Steel X65 and 22Cr Duplex Stainless Steel in CO₂ Saturated Environment
X. Hu and A. Neville, University of Leeds |
| 1145 | 114133 | High Resolution Casing Imaging Utilizing Magnetic Flux Leakage Measurements
M.A. Sharar, D.A. Cuthill and K. Edwards, Weatherford |

**2008 SPE 4th International Oilfield Corrosion Conference
27 May 2008**

Tuesday, 27 May, 13:30 to 15:00

Gordon A

Session 3: Localised Corrosion and Solids

Session Chairpersons: Mohsen Achour, ConocoPhillips
George Winning, Clariant Oil Services

- 1330 114094 Integrity Control In Heavily Fouled Systems—
Environmentally Friendly Solutions**
K.A. Monk, D.I. Horsup, G.R. Meyer and M.J. Willis, Nalco
- 1400 114144 Corrosion Inhibitor Performance In Pipelines with
Deposits**
E. Gulbrandsen, IFE
- 1430 114081 Study of the Effect of Inhibitor on Erosion-Corrosion in
CO₂-Saturated Condition With Sand**
A. Neville and C. Wang, University of Leeds

Tuesday, 27 May, 15:15 to 16:45

Gordon A

Session 4: Emerging Technologies

Session Chairpersons: Karen Christie, Commercial Microbiology
Alyn Jenkins, M-I Production Chemicals

- 1515 114115 Using Modeling and Data Analytics to Signal Change: Can
We Avert a “Midlife Crisis”?**
W. Durnie and D. Harrop, BP
- 1545 114131 The Role of Packer Fluids in the Annular Environmentally
Assisted Cracking of CRA Production Tubing**
J.S. McKennis, E.J. Termine and N.S. Bae, TETRA
Technologies; M. Kimura, K. Shimamoto and H. Sato, JFE Steel
- 1615 113317 Adoption of a Process to Prevent Souring Associated with
Seawater Waterflooding in the Ursa-Princess Fields,
Deepwater Gulf of Mexico**
J. Walsh, Shell; J. McElhiney, Pratt Technology Management;
S. Maxwell, Commercial Microbiology; E. Burger, EB
Technologies; R. Davis, Sulfate Removal Systems

**2008 SPE 4th International Oilfield Corrosion Conference
27 May 2008**

**Tuesday 27 May
Posters
Crombie Suite**

- 114032 Investigation of the Corrosivity of Some Water-Glycol Hydraulic Fluids to Stainless Steel 316L for Subsea Applications**
Lei Zheng and Anne Neville, University of Leeds
- 114087 Inhibition Performance of a New Series of Mono/Diamine-Based Corrosion Inhibitors for HCl Acid Solutions**
Ali A. Al-Taq, Saudi Aramco; Shaikh A. Ali, KFUPM; and H.A. Nasr-El-Din, Saudi Aramco
- 114111 Hydrothermal Chemistry of Formate Brines and Its Impact on Corrosion in HPHT Wells**
S.K. Howard and J.D. Downs, Cabot Specialty Fluids
- 114135 A Predictive Model for Microbial Induced Corrosion (MIC) in Sub-sea Production Pipelines: Part 1 – Abiotic Corrosion Model**
P. Smith, S. Roy, and D. Swailes, Newcastle University; S. Maxwell, Commercial Microbiology; and D. Page and J. Lawson, Chevron
- 114175 Role of Pressure and Reaction Time on Corrosion Control of H₂S Scavenger**
L. Zea, P. Jepson and R.Kumar, University of Central Florida