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**Session 13:**        *Corrosion in Oil and Gas Production.*  
                          *organiser: S. Olsen*

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**Poster Sessions**    **Monday 13 September: 18:00 – 19:30**  
                          **Tuesday 14 September: 18:00 – 19:30**

*List of Posters: see at the end of this Session Program*

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### Monday 13 September

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**10:00**            **Opening Ceremony**

**10:30**            **PL-473**  
Predicting the Future From the Past in Corrosion Science and Engineering.  
***Digby MACDONALD***

**11:15**            **PL-563**  
An Overview of Materials Degradation by Stress Corrosion in PWRs.  
***Peter SCOTT***

**12:00**            Cavallaro Medal Lecture.  
From the empirical approach to corrosion science - A retrospect on fifty years corrosion research.  
***Hubert GRÄFEN***

**12:30**            ***Lunch***

Co-chairs: S. Olsen, T. Cassagne

**14:00**            **13-KN-033**  
An updated pH calculation tool for new challenges.  
***Jean-Louis CROLET***

**14:40**            **13-O-263**  
Evaluation of Selected Martensitic Stainless Steels for Use in Downhole Tubular Expansion.  
***Robert MACK***

**15:00**            **13-O-449**  
Corrosion behavior of CRAs in stimulation acids.  
***Tiziana CHELDI***

**15:20**            **13-O-378**  
125ksi Grade High Strength Low Alloy Steel OCTG for Mildly Sour Environments.  
***Tomohiko OMURA***

**15:40**            ***Coffee break***

- 16:10**      **13-O-380**  
Cracking susceptibility of duplex stainless steel in the presence of H<sub>2</sub>S containing environments at an intermediate temperature.  
*Russell KANE*
- 16:30**      **13-O-433**  
Investigation of the precipitation mechanism in HAZ of supermartensitic stainless steels. Two-pass weld simulation.  
*Trond ROGNE*
- 16:50**      **13-O-397**  
Laboratory results of cracking behaviour of weldable 13%Cr steels girth weld joints in hot acid environments.  
*Shuji HASHIZUME*
- 17:10**      **13-O-166**  
Corrosion Behavior of Heat-treated Low Grade Duplex Stainless Steel (Type Fe-15Cr-5Ni-1.9Cu) in Sweet Environments.  
*H.M. EZUBER*
- 18:00 - 19:30**    **Poster Session - List of Posters: see at the end of this Session Program**
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## Tuesday 14 September

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Co-chairs: S. Olsen, S. Huizinga

- 08:40**      **13-O-360**  
Background and methods for a reliable test for hydrogen cracking of supermartensitic stainless steel flowlines.  
*Mioara STROE*
- 09:00**      **13-O-322**  
Corrosion and cracking behaviour of steel and alloys in liquid H<sub>2</sub>S.  
*Sébastien DUVAL*
- 09:20**      **13-O-087**  
Design for Internal Corrosion Resistance of Sales Gas Pipelines.  
*Juri KOLTS*
- 09:40**      **13-O-164**  
Influence of Turbulent Flow on the Corrosion Kinetics of API X52 Pipeline Steel in Aqueous Solutions Containing H<sub>2</sub>S.  
*Juan GENESCA*
- 10:00**      **13-O-308**  
Effects of small amount of H<sub>2</sub>S on CO<sub>2</sub> corrosion of pipeline steel in multiphase flow loop system.  
*Ghanshyam DAS*
- 10:20**      *Coffee break*

- 10:50**            **13-O-232**  
New device for corrosion monitoring and flow effect evaluation in oil field.  
*Yobiris RIGUAL*
- 11:10**            **13-O-499**  
Reliability and Limitations of Corrosion Prediction Tools for Oil and Gas Pipelines.  
*Rolf NYBORG*
- 11:30**            **13-O-368**  
Corrosion Behaviour of Steels and CRA in Sour Gas Environments.  
*Mónica ALVAREZ DE LARA*
- 12:30**            *Lunch*

**Joint Session 1 + 13**

Co-chairs: S. Papavinasam, G. Schmitt

- 14:00**            **01-KN-233**  
Review of Testing Methods and Standards for Oilfield Corrosion Inhibitors.  
*Sankara PAPA VINASAM*
- 14:40**            **01-O-494**  
Predicting the Adsorption Properties of Carbon Dioxide Corrosion Inhibitors Using a Structure-Activity Relationship.  
*Brian KINSELLA*
- 15:00**            **01-O-506**  
Evaluation of Local Energy Densities in Disturbed Flow: A New Approach to Characterize Inhibitor Efficiencies to Mitigate Erosion Corrosion.  
*Guenter SCHMITT*
- 15:20**            **13-O-375**  
Field tests of Corrosion Inhibitors for Oil Production.  
*Geir Gundersen FUHR*
- 15:40**            *Coffee break*
- 16:10**            **13-O-362**  
Oilfield Chemicals Synergistic Effects on the Corrosion Rate of L-80 Steel in Sea and Formation Waters.  
*Hameed AL-HASHEM*
- 16:30**            **13-O-061**  
The effect of pre-corrosion and steel microstructure on inhibitors performance in CO<sub>2</sub> corrosion.  
*Teresa PÉREZ*
- 16:50**            **01-O-170**  
The Inhibitors of Corrosion and Hydrogen Entry into Carbon Steel in the H<sub>2</sub>S and CO<sub>2</sub> Media.  
*Liudmila TSYGANKOVA*
- 17:10**            **13-O-188**  
Biotesting Integral Toxicity of Corrosion Inhibitors, Biocides and Oil Hydrocarbons in Oil-and Gas-Processing Industry.  
*Vladimir CHUGUNOV*

**17:30**            **01-O-032**  
Electrochemical Studies of Sodium Metavanadate as Corrosion Inhibitor of Carbon Steel 1020  
in CO<sub>2</sub> and H<sub>2</sub>S Saturated DEA Solutions.  
***Alireza AGHASADEGHI***

**18:00 - 19:30**   **Poster Session - *List of Posters: see at the end of this Session Program***

***Session 13: List of Posters***

**13-P-274**        Temperature Effect on API Grade Steels in CO<sub>2</sub> Environments.  
***Denise SOUZA DE FREITAS***

**13-P-517**        Corrosion of carbon steel in natural brine solutions of crude oil.  
***Alberta LLABANI***