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**Session 1:**            **Corrosion and Scale Inhibitors in Industrial Environments.**  
*organisers: G. Schmitt, F. Moran*

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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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## Tuesday 14 September

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### **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**

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## Wednesday 15 September

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### Session 1

Co-chairs: N. Pébère, F. Zucchi

- 08:40**            **01-KN-526**  
Modern Cooling Water Treatment.  
*Frank MÜLLER*
- 09:20**            **01-O-137**  
Electrochemical study of the behavior in corrosive media of a new friendly environmental inhibitor.  
*Pascale BOMMERSBACH*
- 09:40**            **01-O-527**  
Accelerated Development of Corrosion Inhibitor Formulations by Electrochemical Methods and Short-Time Corrosion Tests.  
*Matthias SCHWEINSBERG*
- 10:00**            **01-O-505**  
Evaluation of Inhibitor Efficiencies in Hydraulic Fluids.  
*Guenter SCHMITT*
- 10:20**            *Coffee break*
- 10:50**            **01-O-417**  
Influence of flow on the synergistic effect of an inhibitive mixture used for water treatment in cooling circuits.  
*Nadine PÉBÈRE*
- 11:10**            **01-O-235**  
Synergistic inhibition of corrosion of carbon steel using a new phosphonate, Zn<sup>2+</sup> and heterocyclic compound.  
*Boyapati APPA RAO*
- 11:30**            **01-O-238**  
Phosphonated glycine, a new corrosion inhibitor for carbon steel in aqueous environment.  
*Boyapati APPA RAO*

- 11:50**      **01-O-483**  
Study of the corrosion inhibition mechanism of new rare earth cinnamates compounds.  
*Frédéric BLIN*
- 12:10**      **01-O-014** Withdrawn  
An eco friendly colourful corrosion inhibitor for carbon steel.  
*Susai RAJENDRAN*
- 12:30**      *Lunch*
- Co-chairs: M. Lagrenée, R. Feser
- 14:00**      **01-KN-507**  
Using the inhibitive effect of self assembling molecules for the corrosion protection of non iron metals.  
*Ralf FESER*
- 14:40**      **01-O-476**  
The 3,5-bis(n-tolyl)-4-amino-1,2,4-triazoles as corrosion inhibitors of mild steel in acidic media: electrochemical and quantum chemical studies.  
*Michel LAGRENÉE*
- 15:00**      **01-O-478**  
3,5-Bis(n-methoxyphenyl)-4-amino-1,2,4-triazoles as inhibitors of corrosion of mild steel in acidic media.  
*Michel TRAISNEL*
- 15:20**      **01-O-065**  
Synergistic effect of tolutriazole and sodium carboxylates on zinc corrosion in atmospheric conditions.  
*Cécile GEORGES*
- 15:40**      *Coffee break*
- 16:10**      **01-O-045**  
Corrosion Inhibition of Mild Steel using naphthalene disulfonic acid.  
*Wafaa GHANEM*
- 16:30**      **01-O-008**  
Copper Local Corrosion under joint presence alanine and inorganic activators.  
*Svetlana KALUZHINA*
- 16:50**      **01-O-026**  
Synergism in copper corrosion inhibition by sodium dodecylbenzenesulphonate and 2-mercaptobenzoimidazole.  
*Mirghasem HOSSEINI*
- 17:10**      **01-O-125**  
Effect of Boron on the IGSCC behavior of Alloy 600.  
*Yongsun YI*

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**Thursday 16 September**

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**Joint Session 11 + 16 + 1**

Co-chairs: J. Gulikers, J. Goddin  
“Cathodic Protection and Inhibitors”

- 14:00**            **11-O-382**  
Extension of Service Time of Concrete Structures by Cathodic Protection (CP) of the Steel Reinforcement – A Four Case Study.  
**Wolfgang SCHWARZ**
- 14:20**            **11-O-538**  
Durability assessment of pre-stressed concrete elements under stray current interference.  
**Willy PEELEN**
- 14:40**            **11-O-145**  
Hydrogen Embrittlement of Prestressed Concrete Cylinder Pipes.  
**Behzad BAVARIAN**
- 15:00**            **11-O-337**  
A combined corrosion protection system for reinforced concrete structures using a carbon fibre mesh.  
**Michael BRUNS**
- 15:20**            **11-O-452**  
Acceptance criteria for electrochemical maintenance methods used on concrete structures.  
**Øystein VENNESLAND**
- 15:40**            *Coffee break*
- 16:10**            **11-O-383**  
Influence of Cathodic Protection (CP) on the distribution of ions in the concrete overlay containing chlorides.  
**Wolfgang SCHWARZ**
- 16:30**            **11-O-272**  
Numerical simulation of the throwing power of cathodic prevention applied to marine reinforced concrete piles by means of sacrificial anodes.  
**Elena REDAELLI**
- 16:50**            **11-O-146**  
Current Progress on Improving the Durability of Reinforced Concrete Structures using Migrating Corrosion Inhibitors.  
**Behzad BAVARIAN**
- 17:10**            **11-O-186**  
Electrochemical and analytical investigation of the behaviour of an inhibitor for steel reinforcement in concrete.  
**Thierry CHAUSSADENT**
- 17:30**            **11-O-194**  
Corrosion protection of steel reinforcement with DMEA in the presence of chloride ions.  
**Eleni RAKANTA**

**Session 1: List of Posters**

- 01-P-010** Contribution to the survey of the corrosion and the inhibition of the corrosion of the alloy 70 Cu-30Zn in HNO<sub>3</sub> 0,5 MS by the 3-amino-1,2,4-triazole.  
*Mohammed MIHIT*
- 01-P-021** Role of Steel Surface Condition on Performance of Cooling Water Inhibitor.  
*Fawzi ELSHAWESH*
- 01-P-030** Thiourea (THU) corrosion inhibitor phenomenon for brass materials.  
*Mircea CHIS*
- 01-P-068** Effect of pH on the performance of Sodium Nitrite corrosion inhibitor.  
*Tala ABOHALGUMA*
- 01-P-144** Water-penetrability of alcane solutions RCOOH.  
*Olga PETROVA*
- 01-P-258** The Corrosion Inhibition of Pure Zinc in NH<sub>4</sub>Cl Aqueous Solutions by N-Alkyl Quaternary Ammonium Bromides.  
*Viorel BRANZOI*
- 01-P-477** Enhanced corrosion resistance of mild steel in hydrochloric acid solution by new thiadiazole derivatives: Electrochemical, theoretical and XPS studies.  
*Fouad BENTISS*
- 01-P-493** The Jet Impingement Cell : a Valuable device for investigating CO<sub>2</sub> Corrosion.  
*Brian KINSELLA*
- 01-P-522** Prediction of Efficiency of Organic Inhibitors using Quantum Chemical Modelling of Inhibition of Corrosion and Hydrogen Absorption of Metals.  
*Georgii BELOGLAZOV*
- 01-P-523** Electrochemical study of corrosion inhibition of stainless steel in phosphoric medium.  
*Khadija HNINI*
- 01-P-525** Understanding Mechanisms of Inhibiting Action of N-containing Organic Compounds on Corrosion and Hydrogen Absorption of Steel using Quantum Chemical Computations.  
*Angela MYAMINA*
- 01-P-531** Zinc sodium hypophosphite as a corrosion inhibitor.  
*Bhaskar VAIDYA* Withdrawn
- 01-P-535** Bisphenol as an environment friendly corrosion inhibitor.  
*Bhaskar VAIDYA* Withdrawn