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**Session 16:**        **Cathodic Protection.**  
                          *organiser: M. Roche*

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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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### Wednesday 15 September

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#### **Joint Session 9 + 16**

Co-chairs: B. Espelid, M. Roche

- 10:50**            **09-O-404**  
                          Evaluation of alternating current corrosion on mild steel in marine environments.  
***Dae-Kyeong KIM***
- 11:10**            **09-O-474**  
                          Low Voltage Aluminium Anodes : Optimization of the Insert-Anode Bond.  
***Anne-Marie GROLLEAU***
- 11:30**            **09-O-431**  
                          The Influence of Ti and Sr Alloying Elements on Electrochemical Properties of Aluminum Sacrificial Anodes.  
***Mohsen SAREMI***
- 11:50**            **09-O-092**  
                          Improvement of the current capacity of Al-Zn-In anode by casting parameters and magnesium addition.  
***Mohsen SAREMI***
- 12:30**            **Lunch**
- 14:00**            **16-KN-492**  
                          Feed-back from long-term experience with offshore cathodic protection.  
***Jean-Louis BRAZY***
- 14:40**            **16-O-190**  
                          Monitoring of cathodic protection for design and survey.  
***Dominique FESTY***
- 15:00**            **16-O-204** **Withdrawn**  
                          Inhibition of microbiologically influenced corrosion by cathodic protection in marine environment.  
***Samuel PINEAU***

**15:20**            **16-O-256**  
Cathodic protection beneath thick external coating on flexible pipeline.  
*Dominique FESTY*

**15:40**            *Coffee break*

### *Session 16*

Co-chairs: M. Roche, A. Pourbaix

**16:10**            **16-O-543**  
Corrosion under disbonded coatings of cathodically protected pipelines.  
*Antoine POURBAIX*

**16:30**            **16-O-201**  
Corrosion and coating defects on buried pipelines under CP : Excavation data collection and analysis.  
*Sébastien KARCHER*

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## Thursday 16 September

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Co-chairs: M. Roche, A. Pourbaix

**08:40**            **16-KN-571**  
Modelling of cathodic protection systems: advantages and limitations.  
*Chantal COMPÈRE*

**09:20**            **16-O-280**  
CP Monitoring by IR Free Potential Probe through a Remote Control System.  
*Luciano LAZZARI*

**09:40**            **16-O-046**  
Study on Pulsed Current Cathodic Protection in a simulated System.  
*Milin YAN*

**10:00**            **16-O-215**  
Characterisation of corrosion products on pipeline steel under cathodic protection.  
*Lise LANARDE*

**10:20**            *Coffee break*

**10:50**            **16-O-279**  
Effect of AC interference on CP monitoring.  
*MariaPia PEDEFERRI*

**11:10**            **16-O-501**  
Cathodic protection of buried piping: case stories.  
*Achmad JAMALUDIN*

**11:30**            **16-O-035**  
Reliability centred maintenance of the cathodic protection system of the Bolivia Brasil gas pipeline.  
*Jorge Fernando COELHO*

**12:30**            *Lunch*

**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 16: List of Posters*

- 16-P-048**      Cathodic Protection Simulation of Aboveground Storage Tank Bottom:  
an Experimental and Numerical Results.  
*Simone BRASIL*
- 16-P-395**      Countermeasures for Electrolytic Corrosion - Part I: Traditional methods and their problems.  
*Dae-Kyeong KIM*
- 16-P-396**      Countermeasures for electrolytic corrosion - Part II: Implementation of a rapid potential-controlled  
rectifier.  
*Dae-Kyeong KIM*
- 16-P-406**      Analysis of DC Traction Stray Current Influence on Buried Pipelines using the Simulation  
Software CatPro.  
*Dae-Kyeong KIM*
- 16-P-434**      Finite Element Simulation of the Impressed Cathodic Protection System.  
*Marek SOLEK*