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ORAL PROGRAM OF TECHNICAL SESSIONS

Day 1st, Monday, December 11, 2017

13:00 - 17:30 Registration

17:30 – 18:00 Opening

Hussien Hegazy (Conference Chairman, Chair of ECS)
Randa Abdel Karim (Vice Chair of ECS)
Ashraf El-Shamy (ECS Secretary General)
Sherif Zein El Abedin (Conference Secretary General)

18:00 – 19:00

Session I
Opening session

Chairpersons

Adel Abdul Azim, (Egypt)
Randa Abdel Karim, (Egypt)

18:00 – 19:00

Cost and Benefits of Corrosion in Industry
Saad El Raghy

19:00

DINNER

Day 2nd, Tuesday, December 12, 2017

9:00 – 10:50

Session II
Coatings/Corrosion Inhibitors

Chairpersons

Sherif Zein El Abedin, NRC.
Rabab El Sherif, Cairo Uni.

9:00 – 9:40

Evaluation and Selection of Corrosion Inhibitors, Scale Inhibitors, Biocides and others for Oil Fields: Some Important Remarks
Abdel Ghany El-Hosary, NRC

9:40 – 10:10

Smart Coatings for Corrosion Control
Abdel Aziz Gomaa, Egypt

10:10 – 10:30

Corrosion Control for Oil and Gas Offshore Pipeline
Mahmoud Abdou, EPRI

10:30 – 10:50

Nano-Engineered Highly Efficient Anticorrosion Surface Coating
Ahmed Hassan, Nile Uni.

10:50 – 11:20

COFFEE BREAK

11:20 – 12:50

Session III
Corrosion Control and Cathodic Protection

Chairpersons

Ahmed Abdel Aziz, GUC
Nour El Gendy, EPRI

11:20 – 11:50

Induced Voltage Effect of Overhead AC Power Transmission Lines on Buried Pipeline Corrosion
Saher Shawky, CMRDI

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|---------------|---|
| 11:50 – 12:10 | <p>Basic Principles and First Egyptian Code for Cathodic Protection</p> <p><i>Mohamed Deyab, EPRI</i></p> |
| 12:10 – 12:30 | <p>Studies on Corrosion Characteristics of ASTM A106 Gr.B Carbon Steel Pipelines Exposed to Sulfates Environments</p> <p><i>Yasser Reda, HIET</i></p> |
| 12:30 – 12:50 | <p>Iron Sulfide Scale Removal with a New Formulation: A Field Application in a Sandstone Reservoir in Egypt</p> <p><i>Ahmed Aref, ZEITCO</i></p> |
| 12:50 – 15:00 | LUNCH |
| 15:00 – 16:40 | <p align="center">Session IV</p> <p align="center">Corrosion in Boilers and industrial Units</p> |
| Chairpersons | <p>Adel Ghany El Hosary, NRC</p> <p>Mohamed Migahed, EPRI</p> |
| 15:00 – 15:20 | <p>Study of Degradation and Corrosivity of Sulfolane in Aromatic Extractive Distillation Unit</p> <p><i>Omar Adel Salam, Cairo Uni.</i></p> |
| 15:20 – 15:40 | <p>Operations of Removing Heavy Deposits Accumulated on Boiler Tubes Surface</p> <p><i>Ali Elghanam, Egypt</i></p> |
| 15:40 – 16:00 | <p>Evaluation of Metallurgical Status of Boiler Tubes in a Steam Power Plant</p> <p><i>Ibrahim Ghayad, CMRDI</i></p> |
| 16:00 – 16:20 | <p>Industrial Application of Corrosion Engineering and Harmful Corrosion Effects</p> <p><i>Hassan Shehata, EMISAL Co.</i></p> |
| 16:20 – 16:40 | <p>Corrosion Repair of Duplex Stainless Steel 900mm Flow Control Valves in Man-Made River Project.</p> |

Salah El Kom, Libya

17:00 – 19:00

Poster Session

Chairpersons

**Ashraf El Shamy
Khaled Zohdy**

19:00

DINNER

Day 3rd, Wednesday, December 13, 2017

7:30 – 12:30

Sightseeing:
Please Contact The Conference Secretary

13:00 – 15:00

LUNCH

15:00 – 18:00

Session V
Corrosion Problems in Petroleum Industry

Chairpersons

Ahmed El Sabagh, EPRI
Mohsen El Sabah, Al Azher Uni.

15:00- 15:20

Corrosion Prediction and Control in Some Natural Gas Fields of North Nile Delta
Mohamed El-Daoushy, Egypt

15:20 – 15:40

Corrosion Inhibition of C-Steel and 316L Stainless Steel in Scale Dissolving Process in Oil Field: Case Study

15:40 – 16:00

Abdel Ghany El-Hosary, NRC
Mohamed Abo Bakr, SAPESCO

16:00 – 16:20

Devolvement Powerful Dwonhole Chemical Backwash Program for Increasing the Well Performance in Western Desert of Egypt
Yahia Hanafi, Qaroun co.

16:20 – 16:40

COFFEE BREAK

16:40 – 17:00

EPRI Contributions in Mitigation of Corrosion Problems and Inorganic Deposits in Petroleum Industry
Mohamed Migahed, EPRI

17:00 – 17:20

Field Case Study for Maintaining Benfield Natural Gas Sweetening Unit: Process Chemistry and Corrosion

Control Challenges
Mostafa Attya, Bader El Din Co.

17:20 – 17:40

AC Corrosion Mitigation for Gas Transmission Pipelines
Basam Hussein, EGAS Co.

17:40 – 18:00

Mitigation of Sulfate reducing Bacteria in Oil Fields
Ismail Aiad, EPRI

19:00

CONFERENCE DINNER

Day 4th, Thursday, December 14, 2017

(9:00 – 12:00)

Session VI
Corrosion Mechanisms and Electrochemistry of
nanostructured materials

Chairpersons

Randa Abdel Karim, Cairo Uni.
Omar Abdel Salam, Cairo Uni.

9:00 – 9:30

Effect of the Long Term Immersion in Aggressive
Environment on Steel Properties
E. Lunarska, Poland

9:30 – 9:50

Corrosion Behaviour of Magnesium and Some Sn-Zn
Magnesium Alloys in Different Simulated Body Fluids
Alia Daa, Modern Academy

9:50 – 10:10

Al-Si Alloy Treated by High Intensity Ultrasonic Vibrations:
Corrosion Behaviour
Ahmed Abdel Aziz, GUC

10:10 – 10:30

COFFEE BREAK

10:30 – 11:00

Surface Functionalization of New Ti-Alloys for Biomedical
Applications
Mohamed Gepreel, EJUST

11:00 – 11:20

Electrooxidation of Methanol on Vulcan Carbon
Electrodeposited Nickel Nanoparticles
Rabab El Sherif, Cairo Uni.

11:20 – 11:40

Fabrication of Porous Nickel-Based Films and Their
Electrocatalytic Activities for Hydrogen Evolution
Reaction in Alkaline Media
Alia Abdel Fatah, Cairo Uni.

11:40 – 12:00

Graphene-Based Materials in Thermoelectric Applications
Ahmed Abdel-Moniem, EJUST

12:00 – 12:20

Closing

12:20

CHECK OUT AND LUNCH

14:00

DEPARTURE