

WP 13 minutes - Seville EUROCORR 2019

9th -13th September 2019

1- Introduction

The minutes of meeting of the 2018 meeting were presented and were accepted without questions or remarks.

There was a generic question on new corrosion management initiatives. No new initiatives or feedback was received on this yet.

2- Feedback, including from the STAC meeting

Discussions

Corrosion courses in various countries: If there is a wish or requirement for developing and endorsing courses, it is advised to contact WP7. WP7 is currently looking into this.

WP 4 (Nuclear corrosion) will be organising a summer school to be held in Slovenia.

The status of the task force on CO₂ corrosion and Carbon Capture and Storage was discussed in the STAC meeting. The question was discussed whether it could become a formal working party. It was decided that there will be a new Working Party 24: CO₂-Corrosion in Industrial Applications. WP24 will be chaired by Ralph Bässler.

There will be a new task force on corrosion in green energies ("Task Force on Corrosion in Green & Low Carbon Energy Technologies"). It will cover solar, biofuels, wind, geothermal, hydrogen etc. as sub-groups in the task force. Gareth Hinds can be contacted regarding the Task force. Workshops will be setup in the future.

EUROCORR 2019

There was a total number of 1238 attendees in the 2019 conference. A very international attendance, for instance 8% of the attendees was from China.

Young EFC

WP 13 Poster competition details in awards section later

A Young EFC session was held on Tuesday evening and was well attended with interesting presentations. Sytze Huizinga is the WP13 contact for Young EFC. Awards were given to 4 exchange students. Everyone is encouraged to get involved.

EUROCORR Conference

Review of 2019 symposium:

- There were 72 attendees at the Working Party 13 sessions
- No recording photographs or minutes were made of the informal, technical presentations

Comment on 2019 Conference overall: there were remarks that the e-conference schedule booklet was not easy to use.

Outlook to EUROCORR 2020 7-10 September 2020 - specific new sessions

- Corrosion protection on additive manufacturing
- Corrosion protection for nano materials
- A digital session new innovation with possible presenting sessions

Discussion on EFC paper proposals

There was a general discussion on how papers are selected. The idea is to try and reduce the number of papers and increase the quality. Possibly, sharing with other session is an option. An example of this is Marine Corrosion where once abstracts were received, the committee switches some abstracts to joint sessions or other sessions, if more suitable. Other WPs could also follow this process.

To enable papers to be screened better, it was proposed that although a full paper is not required, a two page extended abstract could be asked for. Thoughts were that this was a good idea and had general consensus for the working party members. Needs discussing further post pandemic.

3- EFC publications

- EFC 16 – updated version into final stages and should be out in a few months
- WP 15/13- EFC 36 amine corrosion – Michel has been involved next version of the book should be out in 2021
- EFC 55 on CUI - Ongoing nothing extra to report
- EFC 17 FPB-testing being revised

4- Proposals for WP 13 initiatives

Possible joint sessions:

- Additive manufacturing – specific session on additive manufacturing 7 papers.
- Geothermal energies corrosion
- Support to initiative for low carbon energy groups - 2021 joint session to be held.

5- NACE Reporting

The TEG 374 X session 'O&G materials information exchange' (NACE equivalent to the Working Party 13 business meeting) was well attended. Attention to be paid to the session on sour testing methods within NACE. The good working relationship with NACE which can be used to promote our initiatives.

6- Technical Presentations

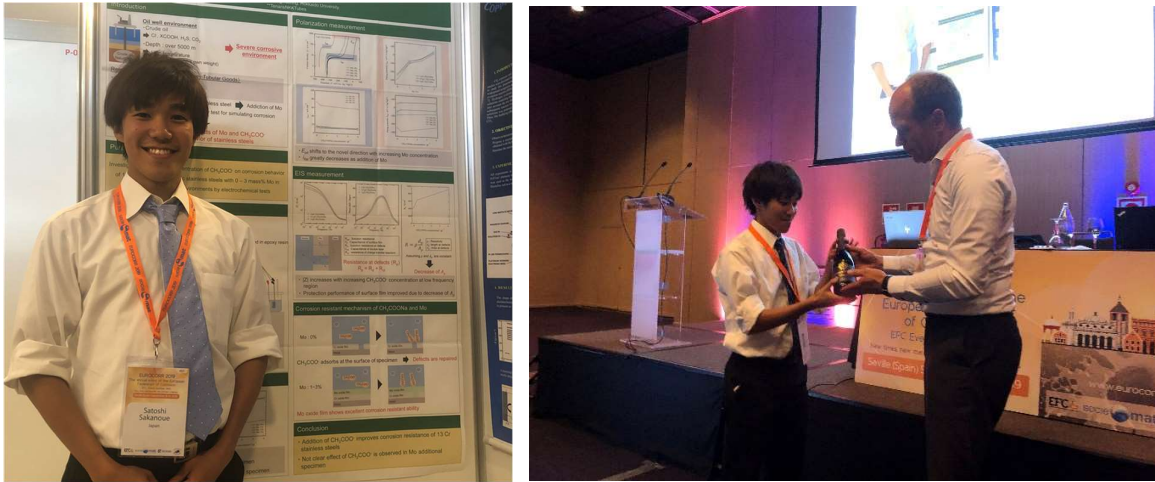
Due to IP no notes are taken on these sessions, unless specifically EFC work. If someone like more information, the authors can be approached directly.

The informal technical presentations that were given are listed below:

- Rolf Nyborg – Effect of mass transport of organic acid and droplet transport on top of line corrosion.
- Askar Soltani – pH stabilisation techniques in sour wet gas pipelines, applicability conditions, merits and limitations.
- Frank Dean- Multipoint hydrogen flux monitoring overview for HIC risk evaluation
- Jean Kittel- On the interest of using hydrogen permeation with hollow sensor in parallel to HIC exposures
- Digital Transformation- Permasense online corrosion & erosion monitoring- Peter Fischbacher, Emerson Corrosion & Erosion Monitoring BDM Europe
- Sytze Huizinga, SyCoCo- CO₂ corrosion: is carbonic acid a cathodic reactant?
- Luciano Paolinelli, Institute for Corrosion and Multiphase Technology of Ohio University- Highlights from Ohio University-

7- Awards

Poster award



Poster 089 Satoshi Sakanoue Hokkaido University – Japan

“Electrochemical investigation of the corrosion behaviour of 13Cr MSS in simulated O&G environments”

Young Author award



Young author award winner Emir Mujanovic (Slovenia National Building and Civil engineering)