

# Working Party 9 “Marine Corrosion” (EFC WP9)

## Minutes of the Meeting<sup>1</sup>

04 September, 2017, Prague, Czech Republic

Chair: Ulf Kivisäkk, AB Sandvik Materials Technology, Sweden; [ulf.Kivisäkk@sandvik.com](mailto:ulf.Kivisäkk@sandvik.com)

Vice-chair: Philippe Refait, University of La Rochelle, France; [philippe.refait@univ-lr.fr](mailto:philippe.refait@univ-lr.fr)

Secretary: Shiladitya Paul, TWI, UK; [shiladitya.paul@twi.co.uk](mailto:shiladitya.paul@twi.co.uk)

### Summary of main discussions

- The following new officers were elected:
  - Philippe Refait (Chair)
  - Shiladitya Paul (Vice-chair)
- The WP to look at possibility of publishing selected papers in one of the EFC Journals
- The WP to organise Joint sessions with WP10 (Microbial corrosion) and WP16 (cathodic protection)
- The WP officers to look at improving the website
- The WP officers to look at working with YoungEFC to get more younger members involved in the activities of WP9

### Attendees

Name	Affiliation	Country	E-mail
Ulf Kivisäkk	AB Sandvik Materials	Sweden	<a href="mailto:ulf.Kivisäkk@sandvik.com">ulf.Kivisäkk@sandvik.com</a>
Philippe Refait	University of La Rochelle	France	<a href="mailto:philippe.refait@univ-lr.fr">philippe.refait@univ-lr.fr</a>
Anne-Marie Grolleau	DCNS	France	<a href="mailto:anne-marie.grolleau@dcnsgroup.com">anne-marie.grolleau@dcnsgroup.com</a>
Troels Mathiesen	Force Technology	Denmark	<a href="mailto:trm@force.dk">trm@force.dk</a>
Lars Lichtenstein	DNV GL	Germany	<a href="mailto:Lars.lichtenstein@dnvgl.com">Lars.lichtenstein@dnvgl.com</a>
Shiladitya Paul	TWI	UK	<a href="mailto:Shiladitya.paul@twi.co.uk">Shiladitya.paul@twi.co.uk</a>

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<sup>1</sup> Meeting notes prepared on 07 September 2017

## 1. Welcome and introduction

The meeting was opened by the Chairman, Ulf Kivisäkk, who presented the agenda and asked the attendees to introduce themselves.

## 2. Apologies for absence

Several people send their apologies. The chair acknowledged that the timing of the meeting was not ideal. This could possibly be improved next year.

## 3. Approval of the minutes of the last meetings

The minutes of the last meeting (held in Montpellier) were not available due to changes in the committee.

## 4. Report from the STAC meeting

The chair updated the meeting on the discussions held in the STAC meeting. The highlights are as under:

- A new task group to be established on atmospheric corrosion.
- WP9 will be involved in this task force
- It was suggested that the atmospheric corrosion in marine environments should belong to WP9. However, droplet evaporation corrosion studies involving other environments may not be included in the WP9 activities.
- Young EFC meeting should be publicised.
- It has been recalled by the STAC that the working party meetings are organised for the members of the EFC.

## 5. Report from Eurocorr 2017

Approximately 1400 participants registered for Eurocorr 2017. The WP9 received several papers with 20 selected for oral presentations. Joint sessions (JS) were also held in conjunction with WP10 (microbial corrosion) and WP16 (cathodic protection). Several oral presentations were organised in the joint sessions:

- 9 oral presentations in JS with WP10
- 18 oral presentations in JS with WP16
- 4 oral presentations in JS with WP10 and WP16

The attendance was consistently above 50 per talk.

## 6. Marine Corrosion session for Eurocorr 2018

It has been proposed to organise a general session on marine corrosion and joint sessions with other WPs regarding the following topics:

- Microbial corrosion in Marine Environments with WP10
- Cathodic protection in marine environments with WP16

## 7. Activities of WP9

The WP has been involved with several activities over the past few years. Due to lack of availability of the officers it has not been possible to make significant progress with the work planned. However,

with the new officers on board it is expected that the WP will make progress in the future. The following activities were noted by the chair:

- Guide on seawater cooling systems in collaboration with WP15 (Corrosion in the refinery Industry)
- Guidelines on corrosion protection of offshore wind turbines and other offshore marine renewable structures
- Liaison with NACE TG 476 (Corrosion protection of offshore wind power units)

## 8. Any other business and new initiatives

The chair (Ulf Kivisäkk) announced his retirement from the position and suggested that Philippe Refait should take over the role of WP9 chair. This was seconded by the secretary. All were in favour of the motion, with no abstentions and no votes against. Thus, Philippe Refait was unanimously elected as the chair of WP9. Subsequently, Philippe Refait suggested that Shiladitya Paul be made the vice-chair of WP9 which was also accepted by the attendees.

Shiladitya Paul suggested that the WP9 should collaborate with the EFC journals to get selected papers published in a special issue. He also noted that the WP website is in dire need to some updating. He proposed that the website is made simple by adding tiles/tabs. He will work with the chair and EFC to update the website. He noted that not many younger members are involved in the WP activities. He suggested that the WP should get involved in the YoungEFC to encourage younger members to participate.

Anne-Marie Grolleau noted that fouling is not covered well at Eurocorr. Biofouling is covered, but fouling is not covered as a topic on its own. She suggested that this should be included in the marine corrosion.

Troels Mathiesen noted that corrosion of dissimilar materials and bolted connections in marine environments was not covered this year in the WP9 presentations. The chair invited him to submit a paper on this subject next year. He also explained that the NACE guidelines are available on offshore wind structures, similar guidelines are also issued by DNV GL. This was confirmed by Lars Lichtenstein. He also confirmed that DNV GL is working to include more information to make the document more useful. It was evident from the discussion that additional tests for the prequalification of wind farms coatings may be required. Apparently, this is something that the BAW guidelines are trying to address. There is funding available from carbon trust and Innovate UK for research to improve the performance of offshore wind structure.

## 9. Date and venue of the next meeting

The next meeting of EFC WP9 will be organised during Eurocorr 2018 in Krakow, Poland.

No intermediate meeting is planned.

## 10. Meeting closure

Ulf Kivisäkk congratulated the new officers and offered his continued support for the WP activities. He closed the meeting and thanked the attendees and contributors.