

## **Minutes of the Business Meeting Working Party 3: Corrosion by Hot Gases and Combustion Products (WP3)**

**03.09.2013 EUROCORR 2013 Estoril, Portugal**

### **1. Opening and welcome**

Prof. Michael Schütze (DECHEMA) opens the meeting and welcomes the participants.

### **2. Three-year work programme of the Working Party**

Prof. Schütze presented the three-year, working program of the WP3.

#### **2.1. WP3 meetings**

- business meetings will continue to take place annually in conjunction with EUROCORR (20-30 participants), business 100%
- technical workshops organized by the WP3 will be held every 2-3 years (60-100 participants), technical 100%,

The next workshop is planned for 2015, topic and date will be decided at the next meeting

#### **2.2 Sessions organized at EUROCORR.**

- 1-day topical session at EUROCORR 2013
- 1- or 2-day WP3 topical session planned for EUROCORRs 2014-2016 depending on the contribution of authors

Cooperation with other WPs e.g. Joint Sessions at EUROCORR 2013

A joint session of WP 15 is planned for EUROCORR 2014

#### **2.3 Information about EFC, working parties, events, courses etc. Is published on its**

Webpage [www.efcweb.org](http://www.efcweb.org). Information is kept up-to-date.

### **3. High temperature corrosion events in 2013 and later**

List of upcoming high temperature corrosion events.

Euro Intelligent Materials 25-27 September, 2013, Kiel, Germany

Intermetallics 2013 30 September – 4 October 2013, Kloster Banz, Germany

MS&T'13: Materials Science & Technology Conference and Exhibition, combined with ACerS 115th Annual Meeting 27-31 October, 2013 Montréal, Canada

224th. ECS-Meeting 27 October – 1 November 2013, San Francisco, USA

2013 MRS Fall Meeting & Exhibit 1-6 December 2013, Boston, USA

Thermec 2013 2-6 December 2013, Las Vegas, USA

2014 TMS Annual Meeting & ISGTA 2014 (International Symposium on Gamma TiAl Alloys) 16-20 February 2014, San Diego, USA

CORROSION 2014, Nace 9-13 March 2014, San Antonio, USA

9th Microscopy of Oxidation 2014 14-16 April 2014, University of Nottingham, UK

MRS Spring Meeting 2014 21-25 April 2014, San Francisco, USA

41st ICMCTF 2014 28 April – 2 May 2013, San Diego, USA

EUROSUPERALLOYS 2014, 2nd European Symposium on Superalloys and Their Applications  
13-16 May 2014, Giens, France

Titanium Europe 2014 May 19-21, 2014, Naples, Italy

METAL 2014 - 23rd International Conference on Metallurgy and Materials May 21-23, 2014, Brno, Czech Republic

CIMTEC 2014 - 13th International Conference on Modern Materials and Technologies June 8-20, 2014, Montecatini Terme, Italy

25th AeroMat 2014 16-19 June 2014, Orlando, USA

ISHOC-2014 (International Symposium on High Temperature Corrosion and Oxidation) 23-26 June 2014, Hakodate, Hokkaido, Japan

Thermal Barrier Coatings IV 22-27 June 2014, Irsee, Germany

11th EUROPEAN SOFC FORUM 1-4 July 2014, Lucerne, Switzerland

12th Junior Euromat 2014 21-25 July 2014, Lausanne, Switzerland

XXIII International Materials Research Congress August 17-21, 2014, Cancun, Mexico

Eurocorr 2014 08-12 September 2014, Pisa, Italy

10th. International Conference on Fatigue Damage of Structural Materials, 21-26 September 2014, Hyannis Massachusetts, USA

MSE 2014 23-25 September 2014, Darmstadt, Germany

8th International Symposium on Superalloy 718 and Derivatives 28 September – 1 October 2014, Pittsburgh, USA

Materials Science & Technology 2014 Conference and Exhibition (MS&T'14) 12-16 October 2014, Pittsburgh, USA

MRS Fall Meeting 2014 30 November – 5 December 2014, Boston, USA

#### **4. Standardization activities – CEN - ISO**

Development of standards for high temperature corrosion testing.

Prof. Schütze announces that draft versions can still be delivered for free and feedback is highly appreciated.

The following standards were published in 2013:

- ISO 21608 - Corrosion of metals and alloys - Test method for isothermal-exposure oxidation testing under high-temperature corrosion conditions for metallic materials.
- ISO 26146 - Corrosion of metals and alloys - Method for metallographic examination of samples after exposure to high-temperature corrosive environments.
- ISO 13573 - Corrosion of metals and alloys -- Test method for thermal-cycling exposure testing under high-temperature corrosion conditions for metallic materials.

Currently in preparation are:

- ISO/WD 17248 - Test method for high-temperature corrosion testing of metallic materials by embedding in salt, ash, or other solids.
- ISO/WD 17245 - Test method for high-temperature corrosion testing of metallic materials by immersing in molten salt or other liquids.
- ISO/WD 17224 - Test method for high-temperature corrosion testing of metallic materials by application of a deposit of salt, ash, or other solids.

#### **5. European Research Programmes**

Participation in EU research programs. Success rate < 10%.

- The framework 7 program is finished, new funding possibilities will be revealed in the EU-framework Horizon 2020 program by the end of this year.

#### **6. Further items to be raised by the WP members**

Prof M. Schütze announces that he will hand over the Chairmanship of the working party to the Vice-Chairman Dr. Mathias Galetz from Dechema-Forschungsinstitut in the nearer future.

No further items have been raised by WP members

Frankfurt/Main, Germany 19.19.2013

Dr. M. Galetz