

General Information

Contact and Registration

For organizational reasons we kindly ask you to register no later than 27 January, 2020 at

IFINKOR – Institut für Instandhaltung und Korrosionsschutztechnik gGmbH

(Institute for Maintenance and Corrosion Protection Technologies n.f.p.Ltd)

Course office: Mrs. Andrea Ernst, Prof. G. Schmitt
Kalkofen 4, D-58638 Iserlohn, Germany

Tel.: +49-2371-95970

Fax: +49-2371-959722

Email: office@ifinkor.de

Internet: <http://www.ifinkor.de>

Registration Fee *)

The registration fee is EURO 1600 which includes course notes, lunch, course dinner and coffee breaks. Accommodation, personal expenses and travel costs are the individual responsibility of the course participant.

*) The registration fee is VAT-free according to § 4.22 UStG (The registration fee may contain a Business Package, the VAT of which will be specified separately)

Registration Conditions

The receipt of registration is considered a binding confirmation of the course participant. Following receipt of registration, confirmation and the invoice of the amount due is sent to the course participant. For registered participants cancellation is possible until 27 January 2020 free of charge. After this date 80% of the registration fee will be charged. In case of no-show or abandonment of the participation the full registration fee will be charged. Replacement of a participant is possible at all times.

Hotel

A list of hotels will be sent to the participants with the confirmation of registration. Hotel accommodation is not part of the registration fee.

About GfKORR

The GfKORR – Gesellschaft für Korrosionsschutz e.V. (German Society for Corrosion Protection) is an interdisciplinary association of experts from industry and R&D, aiming at reducing corrosion and consequential damages in all eligible areas of life and technology. GfKORR dedicates itself to comprehensive root cause analysis and supports efficient knowledge transfer in all areas of corrosion to improve integrity of assets, safer living and environmental protection.

About IFINKOR

The Institute for Maintenance and Corrosion Protection Technologies n.f.p.Ltd. (IFINKOR) is based in Iserlohn in the state Northrhine-Westfalia of Germany. It was founded in 1990 as an independent non-for-profit company at the South-Westfalia University of Applied Sciences. The aim is to bridge the gap between academia and industry and to offer knowledge, expertise and innovation in the field of maintenance and corrosion protection to industrial partners. The focus is on investigation, testing and monitoring of materials corrosion performance and the durability of protection methods.

Further information at IFINKOR or GfKORR

**GfKORR –
Gesellschaft für Korrosionsschutz e.V.**

Theodor-Heuss-Allee 25

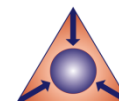
60486 Frankfurt, Germany

Tel.: 069/7564-360/-436

Fax: 069/7564-391

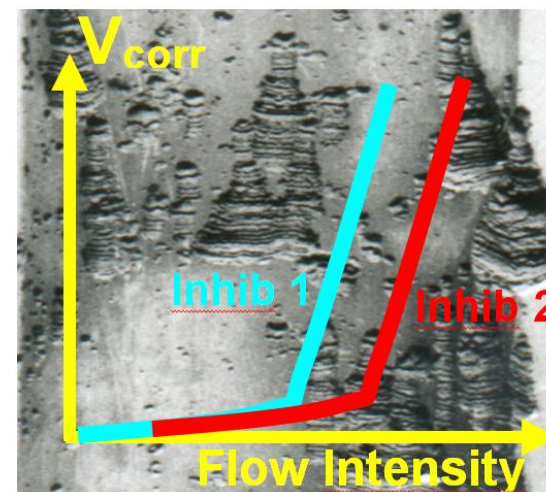
E-Mail: gfkorr@dechema.de

Web: www.gfkorr.de



GfKORR – Gesellschaft für Korrosionsschutz e.V.

Intensive Course on Corrosion and Scale Inhibition Theory, Testing, Application



18 – 20 February 2020

IFINKOR, Kalkofen 4,
58638 Iserlohn, Germany

organized by the Working Party on Corrosion and Scale
Inhibition of the European Federation of Corrosion
(EFC-Event-No. 456)

in cooperation with GfKORR, IFINKOR and
the World Corrosion Organization



Introduction

The addition of functional chemicals (inhibitors) to aggressive media is a smart solution for preventing corrosion failures and/or formation of unwanted scales in industrial assets. Thus, in oil and gas production and transport, energy production and distribution, production of metallic materials (specifically steel) and in many other technical branches the use of appropriate inhibitors today is indispensable for the integrity, safety, sustainability, and economy of plants and installations. Inhibitors are effective even in small concentrations in a wide range of environmental conditions such as temperature or aqueous and non-aqueous media. The selection of appropriate chemicals or mixtures of substances is no "black magic", but has a sound scientific basis.

The course summarizes the present day knowledge in theory, testing and application of corrosion inhibitors and scale inhibitors. The emphasis is on application and environmental aspects. It is the aim to provide enough information to enable course participants to tackle inhibitor problems efficiently.

Programme – 18 February 2020

- 13:00 **Opening**
Prof. Dr. Günter Schmitt
 IFINKOR-Institute for Maintenance and Corrosion Protection Technologies gGmbH, Iserlohn, Germany
- 13:15 **Electrochemical basis of corrosion**
Prof. Dr. Helena Otmačić-Ćurković
 Department of Electrochemistry,
 University of Zagreb, Croatia
- 14:15 **Break**
- 14:30 **Mechanisms of corrosion inhibition**
Dr. Robert Lindsay
 Corrosion & Protection Center, University of Manchester, United Kingdom

- 15:30 **Deterministic approaches for inhibitor selection**
Prof. Dr. Helena Otmačić-Ćurković
 Department of Electrochemistry,
 University of Zagreb, Croatia
- 16:30 **Break**
- 16:45 **Investigation, testing and monitoring of corrosion inhibitor efficiency**
Prof. Dr. Günter Schmitt
 IFINKOR-Institute for Maintenance and Corrosion Protection Technologies gGmbH, Iserlohn, Germany
- 18:30 **Dinner**

Programme – 19 February 2020

- 08:30 **Scale Inhibition**
Prof. Dr. Kostas Demadis
 Department of Chemistry, University of Crete, Greece
- 10:00 **Break**
- 10:15 **Acid inhibition**
Dr. Tim Gommlich
 IFINKOR-Institute for Maintenance and Corrosion Protection Technologies gGmbH, Iserlohn, Germany
- 11:00 **Inhibition in neutral and alkaline media**
Dr. Wolfgang Hater
 Kurita Europe GmbH, Ludwigshafen, Germany
- 12:30 **Lunch**
- 14:00 **Inhibition in the oil & gas industry, inhibition and flow**
Prof. Dr. Günter Schmitt
 IFINKOR-Institute for Maintenance and Corrosion Protection Technologies gGmbH, Iserlohn, Germany

- 15:00 **Inhibitors for temporary protection, VCI. inhibitors for lubricating media**
Prof. Dr. Günter Schmitt
 IFINKOR-Institute for Maintenance and Corrosion Protection Technologies gGmbH, Iserlohn, Germany
- 16:15 **Break**
- 16:30 **Inhibitors in organic coatings**
Prof. Dr. Fatima Montemor
 Department of Chemical Engineering,
 University of Lisbon, Portugal
- 17:30 **Inhibitors in concrete**
Prof. Dr. Kostas Demadis
 Department of Chemistry, University of Crete, Greece
- 19:00 **Dinner**

Programme – 20 February 2020

- 08:30 **Green inhibition**
Dr. Wolfgang Hater
 Kurita Europe GmbH, Ludwigshafen, Germany
- 09:30 **Break**
- 09:45 **REACH - Registration of Corrosion and scale inhibitors**
Dr. Wolfgang Hater
 Kurita Europe GmbH, Ludwigshafen, Germany
- 11:00 **Final discussion**
- 12:00 **End of course**

Unforeseen program changes are reserved.