

METAL 2016 Workshop

Introduction to the use of the MiCorr application

Date : 29th September 2016
Time : 5:30pm – 6:30pm
Venue : Seminar Room, IGNCA, C.V. Mess

Objectives

The workshop is designed to assist conservators in recognizing and identifying different types of corrosion using a new diagnostic tool. The MiCorr application proposes a non-invasive approach to describe and recognize corrosion forms and diagnose important associated characteristics such as stability or location of the limit of the original surface. This new approach is based on visual observation, schematic representation and digital reconstruction of corrosion layers and their stratigraphy, comparing them to case studies that are assembled in a database. Two search engines help the user to identify comparable corrosion forms to those observed on the artifact under investigation: the first one uses interlinked key words and the second schematic representations of the corrosion forms. The latter, based on Bertholon¹'s schematic description of metal corrosion, is the most innovative part of this application. By comparing the artifact under observation with the database through the MiCorr application, a conservator will be able to find case studies of objects showing similar corrosion phenomena. This will help him or her to implement an appropriate conservation protocol.

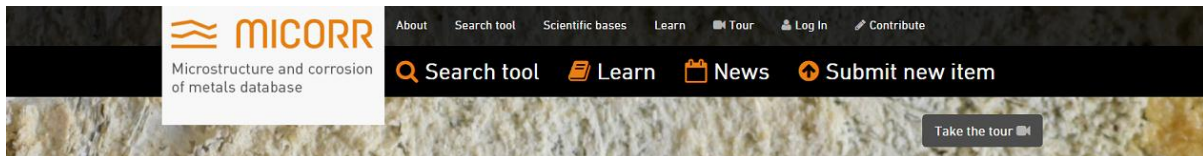
¹Bertholon, R., Archaeological metal artefacts and conservation issues: long-term corrosion studies, in Corrosion of metallic heritage artefacts, European Federation of Corrosion Publications, 48, Ed. Dillmann, P., Béranger, G., Piccardo, P. and Matthiesen, H., Woodhead Publishing Limited, Cambridge, 2007, 31-40.

Contents

- Introduction to the MiCorr application
- Presentation of its contents
- Demonstration of the existing search tools
- Practical exercises

Instructor

Dr. Christian Degriigny, electrochemist and conservation scientist, lecturer in the bachelor and master degrees in the Conservation division of the University of Applied Sciences Arc (HE-Arc CR), Neuchâtel, Switzerland. A biography and literature can be found at <http://people.he-arc.ch/christian.degriigny>.



Language

The course will be offered in English.

Cost

Free for registered delegates.

Before the workshop

Interested participants may consult the MiCorr website (<http://micorr.org/>) before joining the workshop in order to familiarize themselves with the contents and the search tools.

Registration

To register for the workshop, please send an email to info@metals2016.org
Limited seats are available!