



FACULTY OF HUMANITIES

*Programme Conservation and Restoration of Cultural Heritage*

## Workshop Electrochemistry

By Dr. Christian Degrigny

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### Overview

The electrochemistry course is an introduction on the use of electrochemical techniques in conservation. It will go from corrosion aspects of metals, through the monitoring of electrochemical parameters to the actual use of these parameters to conserve electrolytically metal artefacts or composite artefacts that contain metals to conserve.

This master class is part of the regular master's program in conservation and restoration.

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### Programme

*The main contents of the course will be:*

- Introduction to electrochemistry applied to conservation
- Main parameters to control electrochemical processes that are accessible to conservation professionals and factors affecting them
- Electrolytic techniques applied in conservation: determination of parameters
- Application to case studies: cleaning of silver tarnish, consolidative reduction of active lead, cleaning and stabilisation of marine or archaeological copper and iron artefacts, stabilisation of aluminium objects.

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### Instructor

*Christian Degrigny* received a PhD in analytical chemistry from the University of Paris IV in 1990. As an engineer in electrochemistry; he specializes in electrochemical diagnosis and treatment of historic and archaeological metallic objects. From 1991 to 2000 he worked as conservation scientist in different French conservation laboratories: division Valectra of Electricité de France, private workshop Art-Métal, Arc'Antique laboratory. From 2000 to 2003 he moved to educational institutions: EVTEK in Finland and Centre for Restoration in Malta. Since 2006 he is a part-time lecturer / researcher at the Haute Ecole Arc Conservation-restauration (HECR Arc), Neuchâtel.

Webpage: <http://people.he-arc.ch/christian.degrigny>

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### Dates

Four full time days: 16-19 June 2015.



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### Venue

Ateliergebouw, Hobbemastraat 22 in Amsterdam. The Ateliergebouw is situated next to the Rijksmuseum.

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### Costs

Courses fees are € 625,00. No VAT will be charged. Participants are responsible for all evening meals, accommodation and transportation. Lunches will be provided in the restaurant of the Ateliergebouw.

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### Personal equipment

Participants are also requested to bring with them a pair of UV safety glasses/goggles, and lab coat (or equivalent). Materials for the workshop will be provided.

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### Language

The course will be given in English. Participants are advised that a basic knowledge of scientific terms in English is required.

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### Participants

Number of Participants: Number of Participants: One post-graduate student and a maximum of 4 external participants. Registration is open to restorers, conservation scientists and related professionals practicing within the field.

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### How to apply

Please send a signed application form by mail or e-mail, addresses are mentioned on the attached registration form. The Programme Conservation and Restoration of Cultural Heritage aims to compose a list of participants of whom the level matches each other's as much as possible. For that reason, we would like to receive your resume. **The deadline for application is June 7<sup>th</sup>, 2015.**

Once you have registered you will receive a confirmation plus information for payment. Your registration is final when we have received the course fee.

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### Contact

Please contact Angèle Goossens (coordinator Continuing Professional Development) and Nienke Besijn (secretariat Continuing Professional Development) by e-mail [pe-CenR@uva.nl](mailto:pe-CenR@uva.nl) or telephone +31 (0)20 525 2015 with any further queries.