



# **ELECTROCHEMISTRY AND INTERFACIAL CHEMISTRY IN ENVIRONMENTAL CLEAN-UP AND GREEN CHEMICAL PROCESSES**

**Coimbra, Portugal, 6 - 7 April 2001**

*A workshop sponsored by  
International Union of Pure and Applied Chemistry (IUPAC)  
International Council for Science (ICSU)*

The objective of the workshop is to bring together industrial and academic experts on the role of electrochemistry and colloid and surface chemistry in environmental clean-up and green chemical processes, to discuss contributions to curing existing environmental problems and to preventing future ones through process integrated environmental protection. What can be achieved using presently available technology will be discussed as well as future tendencies in technological development.

The workshop is directed toward:

- specialists of international standing
- scientists from developing countries who will describe the particular problems their countries face
- researchers and students concerned with environmental problems

Discussion will focus on how to reduce the negative impact on the environment of industrial chemical processes and other fabrication procedures by using "cleaner" and more energy-efficient processes with recycling and by appropriate effluent treatment. Attention will also focus on stored solid or liquid waste and remediation of contaminated land resulting from pollution problems in the past. Particular themes are:

- soil and water remediation
- metal ion and organic removal
- recycling of process liquors and materials
- clean synthesis
- monitoring and sensors
- catalysis of thermal oxidations
- catalytic photochemical processes.

Panel discussions will be designed to present suggestions for solving the specific pollution problems described in the workshop.

Lectures will be presented by invited speakers. Contributions in the form of posters are invited.

The results from the workshop will be disseminated through workshop proceedings and an IUPAC technical report.

## ***Introductory session, 5<sup>th</sup> April***

A half-day session will take place on the afternoon of 5<sup>th</sup> April to introduce the electrochemistry and surface chemistry topics.

Scientific and organising committee:

C.M.A. Brett (Coimbra, Portugal) - Chairman  
J. Gregory (London, UK)  
L.K. Koopal (Wageningen, Netherlands)  
J.F. Rusling (Connecticut, USA)

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**Deadline for abstract  
submission:  
31 January 2001**

## LOCATION

Coimbra was the first capital of Portugal in the 12<sup>th</sup> Century; the University dates from 1290. Apart from the University, the historic and cultural centre of Coimbra has many interesting places to visit including the Holy Cross Church and Old Cathedral (12<sup>th</sup> Century). Outside Coimbra there are many tourist attractions – monuments from the Roman era to the present day, mountains, spas and beaches.

Coimbra is situated between Lisbon (200 km) and Oporto (100 km) and about 35 km from the Atlantic coast at Figueira da Foz. It is easily reached from Lisbon and Oporto, which both have international airports, by train (2 hours from Lisbon, 1¼ hours from Oporto) or by bus. The A1 motorway from Lisbon to Oporto passes close to Coimbra: there are also good road connections with Spain through Salamanca.

## REGISTRATION FEE

The registration fees are as follows:

	Before 15 March 2001	After 15 March 2001
<b>Participants</b>	30000 PTE / 150 Euro	35000 PTE / 175 Euro
<b>Accompanying Persons (each)</b>	20000 PTE / 100 Euro	25000 PTE / 125 Euro

**The registration fee of the presenting author of contributions** must be sent by bank transfer with the abstract and form by the deadline of **31 January 2001**.

The fee includes registration material and abstracts, lunches, coffee and tea breaks on 6<sup>th</sup> and 7<sup>th</sup> April, tea break in the afternoon and welcome reception on 5<sup>th</sup> April and the workshop dinner on 6<sup>th</sup> April.

The registration fee for accompanying persons includes lunches, coffee and tea breaks on 6<sup>th</sup> and 7<sup>th</sup> April, tea break in the afternoon and welcome reception on 5<sup>th</sup> April and the workshop dinner on 6<sup>th</sup> April.

## REGISTRATION PAYMENT

Payment of registration transfer details must accompany the registration and abstract form. Personal cheques are not accepted. Payment may be made **only by bank transfer (free of bank charges) to:**

**Account holder:** FCTUC/Electroquimica/Prof Brett CS  
**Account Identification No:** 0033-0000-00222670388-05  
**SWIFT:** BCOMPTPL  
**Bank:** Banco Comercial Português  
**Bank address:** Praça de Comercio 14, 3000-116 Coimbra, Portugal

with your name and "IUPAC Workshop". Attach details of the bank remittance to your registration form.

**Cancellation Conditions:** Cancellation must be received in writing. Cancellations received up to 22 March 2001 will be subject to a cancellation fee of 20%. There will be no refunds for cancellations received after 22 March 2001.

## ACCOMMODATION

**Hotel Meliá, Al. Almeida Gonçalves, 20, 3000-059 Coimbra**, (4 star), where the Workshop will be held, will give the special prices, including breakfast, of 9500 PTE (single room) and 10500 PTE (double room – double bed or 2 single beds).

Reservations should be made directly to the hotel (Tel: +351-239-480800, FAX: +351-239-484300) with the indication: **"Participant in IUPAC Environment Workshop"**.

## Registration Desk

The Registration Desk will be located at Hotel Meliá and will be open from 13.30 on Thursday 5<sup>th</sup> April onwards.

**Invitation.** An official letter of invitation to attend the meeting will be forwarded to delegates who need assistance in obtaining visa etc. This invitation does not imply any financial or other obligations on the part of the IUPAC Workshop.

**Electricity.** The electric current in Portugal is 220 Volts, 50 Hz. Sockets take standard Euro plugs.

**Insurance.** The local Organizing Committee will make every effort to ensure the safety and well-being of all participants, but it cannot accept responsibility for any personal accident or loss or damage to private property of participants and accompanying guests, which may occur either during or indirectly arise from the Workshop. It is recommended that delegates consult their travel agents about insurance.

## Internet pages:

Home page of Workshop  
Coimbra University  
General information portal  
Train services  
Bus services

[http://www.iupac.org/symposia/conferences/environ\\_apr01/](http://www.iupac.org/symposia/conferences/environ_apr01/)  
<http://www.uc.pt>  
<http://www.sapo.pt>  
<http://www.cp.pt>  
<http://www.rede-expressos.pt>