

## COST D33 EU Project

### Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-aqueous Interfaces of Industrial Materials

<http://www.cost.esf.org>

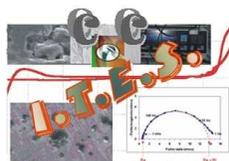
Dr. Javier CALDENTEY (BE) – Scientific Officer  
Ms Svetlana VOINOVA (BE) - Administrative Officer

#### Organized by

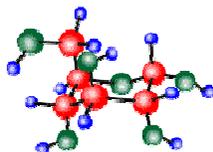
COST - European Cooperation in Science and Technology



Dunarea de Jos University of Galati  
Competences Center: Interfaces-Tribocorrosion and Electrochemical Systems (CC-ITES)



Babeş-Bolyai University Cluj - Napoca  
Raluca Ripan Chemistry Research Institute  
S.C. OC SOLUTIONS S.R.L.



COST D33 - CHEMISTRY

#### SCIENTIFIC BOARD

Prof. Wolfgang SAND (DE) – Chair of COST D33  
Prof. Lidia BENEÀ (RO) - Vice Chair & WG1 Leader  
Prof. Bernard TRIBOLLET (FR) – STSM Leader  
Prof. Geta CÂRÂC (RO) – WG2 Leader  
Dr. Gabriele FERARI (NL) - WG3 Leader

#### EXTERNAL EXPERTS (EVALUATORS)

Prof. Brenda LITTLE (USA)  
Prof. Ji-Dong GU (Hong-Kong)

#### DC RAPPORTEUR

Prof. Vasile PARVULESCU (RO)  
*University of Bucharest*

#### PLENARY LECTURES

Prof. Brenda LITTLE (USA)  
*Naval Research Laboratory*  
Prof. Ji-Dong GU (Hong-Kong)  
*The University of Hong Kong*  
Prof. Pietro CAVALLOTTI (Italy)  
*Politecnico di Milano*

#### ORGANISING COMMITTEE

Prof. Lidia BENEÀ - Galati  
Dr. Marioara MOLDOVAN – Cluj - Napoca  
Prof. Geta CÂRÂC - Galati  
Eng. Vladimir LUNG – Cluj - Napoca

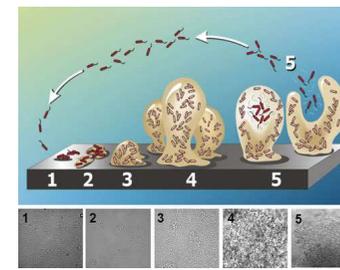
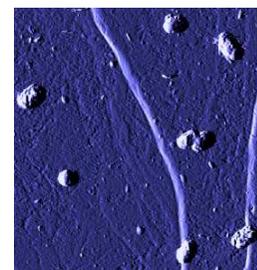
# COST D33 2009

## Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-aqueous Interfaces of Industrial Materials

# Final WORKSHOP

May 13<sup>th</sup> 2009 – May 15<sup>th</sup> 2009

## Cluj - Napoca, ROMANIA



## Venue

The Final Workshop will be held at the **Babeş-Bolyai University Hotel** (room B), placed in Iuliu Hatieganu Park, 7 Pandurilor Street, Cluj-Napoca, Romania. Considered to be the historic capital of Transylvania, the city is located in northwestern part of Romania. An album gallery of the host city can be visited at: <http://www.ici.ro/romania/en/orase/cluj.html>

### Lodging and Accommodation conditions

The participation fees are based on a package including the full rate accommodation and food from 12<sup>th</sup> of May (evening) till 15<sup>th</sup> of May.

**300 Euros for COST members**

(Payment on site at the hotel)

Additional payment for accompanying persons:

45-50 Euros / night; About 15 Euros/meal.

**Conference dinner: 30 Euros.**

**Registration fees:** COST Members - free of charge.

Non COST Members - **100 Euros.**



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[mmarioara2004@yahoo.com](mailto:mmarioara2004@yahoo.com)

## Scientific Topics

### WG 1:

**Development, adaptation and coupling of surface science methods for an improved analysis of the chemical processes occurring at the interfaces between materials and micro-organisms.**

### WG2:

**Analysis of chemical and biological processes causing adhesion of macromolecules, (microbial) cells, consortia etc. to materials surfaces.**

### WG3:

**Understanding of the elementary steps leading to biocorrosion, biofouling, biofilms, bioleaching etc. in order to inhibit or improve the respective processes: Applications in practice.**

**STSM & poster session.**

### Objectives:

- Structured Materials with antiadhesive or biocompatibility functions.
- Adhesion of Macromolecules for inactivation of materials surfaces (inhibition of microbial attachment).
- Understanding Microbial Adhesion from the single cell towards biofilm formation.
- Analyses of interactions at the interface between materials and environment.
- Contamination (physical, chemical and microbiological) of materials surfaces and its removal for evaluation of the relationship between bacteria, biofouling and corrosion.

## PROVISIONAL PROGRAM

PROVISIONAL PROGRAM	
<b>Tuesday: 12 May 2009</b>	
	Arrivals
17h00 - 19h00	Registration
19h00	Welcome party
<b>Wednesday: 13 May 2009</b>	
9h00-9h30	Welcome - Opening
9h30-9h45	Introduction to COST D33
9h50-10h40	<b>Plenary Lecture</b>
10h40-11h00	Coffee Break
11h00-13h30	Presentations
13h30-15h00	Lunch
15h00-16h00	MC Meeting
15h00-16h00	Visit
16h00-19h20	Presentations
	Dinner
<b>Thursday: 14 May 2009</b>	
9h00-9h50	<b>Plenary Lecture</b>
9h50-10h50	Presentations
10h50-11h10	Coffee Break
11h10-13h30	Presentations
13h30-15h00	Lunch
15h00-16h00	Outlook Session – Posters.
16h00-18h30	Presentations
19h00	Conference Dinner
<b>Friday: 15 May 2009</b>	
9h30-9h50	<b>Plenary Lecture</b>
9h50-10h50	Presentations
10h50-11h10	Coffee Break
11h10-13h30	Summary of WG's Leaders Experts Evaluation & External Expert STSM's Report Closing Remarks
13h30-15h00	Lunch
15h00 -	Social Program. Excursion
<b>Sunday: May 16 2009</b> Departures.	

## APPLICATION FORM

Title.....  
Name.....  
Surname.....  
Address.....  
.....  
.....  
City.....  
Country.....  
Phone.....  
Fax:.....  
E-mail.....

- I wish to attend the Workshop
- Oral presentation
- Poster

Tentative title:.....  
.....  
.....  
.....

### Deadlines

**March 12, 2009: Title of presentation.**  
**March 25, 2009: Submission of Abstracts.**  
**April 12, 2009: Submission of accommodation and meal options.**  
**April 12, 2009: Final Programme.**

## Cluj-Napoca City

The city is today one of the most important academic, cultural, industrial and business centers in Romania. Students count more than a third of the town's population. Among others, it hosts the largest university in the country, Babeş-Bolyai University with more than 54000 students.

The city spreads circle-wise from St. Michael's Church - built in 14th century - named after Michael the Archangel, the patron saint of Cluj-Napoca. Many hotels and restaurants as well as museums, historical or archaeological monuments, galleries, botanical garden, shopping centers, banks or exchange offices are within walking distances from the conference site.

The climate in Cluj-Napoca is relaxing and refreshing due to a relatively constant temperature (summer average: 18.7 °C). During May, the weather is pleasant with the ambient temperature varying normally between 13-23 °C.

More information about Cluj-Napoca and a digital map of the city can be found here:  
[www.cluj4all.com/navigator](http://www.cluj4all.com/navigator)



## Call for Contribution

Oral and poster contribution related to the listed topics sessions are requested.

Abstract will be one page of A4 size (Abstract template)

**Abstract submission deadline:**  
**March 25, 2009**

The book of abstracts printed will be given to the participants at the opening workshop.  
The scientific contributions in pdf format will published in CD Proceeding.

### Local Organizers

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**Welcome to COST D33  
Final WORKSHOP !**