

# 3<sup>th</sup> International Workshop on Achievements and Challenges for Functional Surfaces Obtained by Electrochemical Methods - Processing and Characterization NanoSurf 03 / 2014 jointly with PERFORM

**July 23-25, 2014, Galati, Romania**

You are kindly invited to attend the 3<sup>rd</sup> workshop organized by the Scientific Research Community in the frame of Research Scientific Projects: *CEA-IFA-Project C2-02-NanoSurfCorr / 2012, PNI-Bilateral RO-FR-Project 702-CorBioMat / 2013, PNI-PCE-Project 10 - HyBioElect / 2013* and *POSDRU/159/1.5/S/138963 Project - PERFORM* to attend the 3<sup>th</sup> International Workshop on Achievements and Challenges in Functional Surfaces - Processing and Characterization and Surface engineering related aspects for new technologies, advanced materials, coatings and biomaterials:

## **NanoSurf 03 / 2014**

The Workshop is organised jointly by:

- ◆ Competences Centre of Interfaces - Tribocorrosion – Electrochemical Systems (CC-ITES), from the Materials and Environmental Engineering Faculty, Dunarea de Jos University of Galati (UDJG), Romania.
- ◆ Laboratoire Génie des Procédés Matériaux (LGPM) Ecole Centrale Paris (ECP), Chatenay Malabry, France.
- ◆ Department of Metallurgy and Materials Engineering, Katholieke Universiteit Leuven (KULeuven), Belgium.

It will be an excellent place and moment for teaching staff, doctoral and post-doctoral researchers to discuss the latest developments and trends in the field of surface modifications of materials as well as properties characterization for different applications in view of a sustainable development.

## Thematic area:

- Surface modification by electrochemical methods: electrodeposition of metals, alloys, composite and hybrid coatings.
- Electrochemical methods for surface characterization of materials: corrosion, tribocorrosion.
- Biomedical coatings and surfaces.
- Functional coatings and surfaces.
- Properties of surfaces and coatings.
- Characterisation techniques.
- Global trends of surface engineering.
- Industrial applications.
- Biomedical applications.

## International Scientific Committee:

Prof. Ph.D. Jean-Pierre CELIS - Ecole Centrale Paris, France & Katholieke Universiteit Leuven, Belgium: [Jean-Pierre.Celis@mtm.kuleuven.be](mailto:Jean-Pierre.Celis@mtm.kuleuven.be)

Prof. Ph.D. Pierre PONTIAUX Ecole Centrale Paris, France: [Pierre.Ponthiaux@ecp.fr](mailto:Pierre.Ponthiaux@ecp.fr)

Prof. Ph.D. Iulian Gabriel BIRSAN – Rector - Dunărea de Jos University of Galați.

Ph.D. Florin Dorian BUZATU- Director Program IFA-CEA, IFA Magurele, Romania.

Ph.D. Felicia BRATU - Head of Monitoring and Project Implementation Department, Head of Monitoring and Project Implementation Department, Ministry of Environment and Climate Changes: [feliciabratu@yahoo.com](mailto:feliciabratu@yahoo.com)

Gabriela CHIRIC (VASILIU) – Project Officer – UEFISCDI: [gabriela.chiric@uefiscdi.ro](mailto:gabriela.chiric@uefiscdi.ro)

Claudia MUREA – Project Officer – UEFISCDI: [claudia.murea@uefiscdi.ro](mailto:claudia.murea@uefiscdi.ro)

Prof. Ph.D. Lidia BENEĂ - Dunărea de Jos University of Galați: [Lidia.Benea@ugal.ro](mailto:Lidia.Benea@ugal.ro)

Prof. Ph.D. Marian BORDEI Dean - Faculty of Materials and Environmental Engineering, Dunărea de Jos University of Galați: [Marian.Bordei@ugal.ro](mailto:Marian.Bordei@ugal.ro)

Prof. Ph.D. Minodora RIPA -Dunărea de Jos University of Galați: [Ripa.Minodora@ugal.ro](mailto:Ripa.Minodora@ugal.ro)

## INVITED LECTURES:

**Prof.Ph.D. Pierre PONTIAUX, ECP, France:**

*La démarche scientifique ou le questionnement comme méthode d'Apprentissage (The scientific approach or the questioning as a Learning Method).*

**Prof. Ph.D. Jean Pierre CELIS, E. GIORGIU: ECP – France & KULeuven - Belgium:**

*Intermetallic coatings obtained by electrodeposition and their tribological behavior at high temperatures.*

**Ph.D. Felicia BRATU, Ministry of Environment and Climate Changes: Sectorial Operational Program 2007-2013 - The investments in the environmental sector using European Funds.**

## Organizing Committee:

Prof. Ph.D. Lidia BENEĂ - Dunărea de Jos University of Galați. [Lidia.Benea@ugal.ro](mailto:Lidia.Benea@ugal.ro)

Lect. Ph.D. Alina-Crina CIUBOTARIU - Dunărea de Jos University of Galați: [Alina.Ciubotariu@ugal.ro](mailto:Alina.Ciubotariu@ugal.ro)

Prof. Ph.D. Alexandru CHIRIAC - Dunărea de Jos University of Galați: [Alexandru.Chiriac@ugal.ro](mailto:Alexandru.Chiriac@ugal.ro)

Lect. Ph.D. Stefan BALTA - Dunărea de Jos University of Galați: [Stefan.Balta@ugal.ro](mailto:Stefan.Balta@ugal.ro)

Research Assistant Ph.D. Eliza DĂNĂILĂ - Dunărea de Jos University of Galați: [Eliza.Mardare@ugal.ro](mailto:Eliza.Mardare@ugal.ro)

## Workshop Secretariat:

Ph.D. Eliza DĂNĂILĂ - Dunărea de Jos University of Galați. [Eliza.Mardare@ugal.ro](mailto:Eliza.Mardare@ugal.ro)

Assoc. Prof. Ph.D. Simion BALINT - Dunărea de Jos University of Galați. [Simion.Balint@ugal.ro](mailto:Simion.Balint@ugal.ro)

Ph.D. Student Eng. Laurentiu MARDARE - Dunărea de Jos University of Galați.

Ph.D. Student Eng. Doinita NEAGU - PIRVU - Dunărea de Jos University of Galați.

Ph.D. Student Eng. Doru MATEI - Dunărea de Jos University of Galați.

Ph.D. Student Pharm. Iulian BOUNEGRU - Dunărea de Jos University of Galați.

Eng. Dorian BOLD - Dunărea de Jos University of Galați.

Master Student Eng. Bogdan – Sorin BASA- Dunărea de Jos University of Galați.

## Oral contributions:

1. **Lect. Ph.D. Alina CIUBOTARIU**, Ph.D. Student Doru MATEI,

Prof. Ph.D. Lidia BENEĂ: *Challenges and achievements in new composite coatings materials obtained by electro-codeposition - from micro to nano particles reinforcements (Rapport Project C2-02).*

2. **Ph.D. Eliza DĂNĂILĂ**, Prof. Ph.D. Lidia BENEĂ: *Titanium alloy – Electrochemical methods to improve surface properties for biomedical applications (Rapport project 10/2013).*

3. **Ph.D. Student Iulian BOUNEGRU**, Ph.D. Eliza DĂNĂILĂ, Prof. Ph.D. Lidia BENEĂ: *Hybrid coatings – news from chitosan electrodeposition (Rapport projects: 10/2013, 702/2013).*

4. **Ph.D. Student Laurențiu MARDARE**, Ph.D. Student Doinița PIRVU (NEAGU), Ph.D. Eliza DĂNĂILĂ, Prof. Ph.D. Lidia BENEĂ: *Nothing stays the same for ever: The environmental degradation and corrosion of materials – applications and protection methods in marine media.*

CC-ITES:

[www.cc-ites.ugal.ro](http://www.cc-ites.ugal.ro)

Project: **CorBioMat**

<http://www.corbiomat.ugal.ro>

Project: **HyBioElect**

<http://www.hybioelect.ugal.ro>

Project: **NanoSurfCorr**

<http://www.nanosurfcorr.ugal.ro>

Project: **PERFORM**

<http://www.perform.ugal.ro>

## Workshop Program

**23-07-2014:** Arrival.

**24-07-2014:** Place: The Workshop will take place in the beautiful hall *Panoramic* of Hotel Galati – 13 Domneasca Street (9<sup>th</sup> Floor).

**09<sup>30</sup> - 09<sup>45</sup>:** Welcome Address:

**Prof. Ph.D. Marian BORDEI** – Dean – Faculty of Materials and Environmental Engineering.

**Prof. Ph.D. Cătălin FETECĂU** – Dean – Faculty of Mechanics.

**Prof. Ph.D. Lucian GEORGESCU** - President of the Dunarea de Jos University Academic Senate & Head of Human Resources Project – PERFORM.

**Prof. Ph.D. Lidia BENEĂ** – Manager of Research Centre CC-ITES and Head of Research Projects: 702/2013, C2-02/2012 and 10/2013.

**Prof. Ph.D. Minodora RIPA** - Faculty of Mechanics, Dunărea de Jos University of Galați.

**09<sup>45</sup> - 13<sup>00</sup>** Invited lectures & Oral Contributions.

Chaired by **Prof. Ph.D. Lidia BENEĂ & Prof. Ph.D. Minodora RIPA**

**09<sup>45</sup> – 10<sup>15</sup>:** Prof. Ph.D. Pierre PONTIAUX - ECP – France.

**10<sup>15</sup> - 10<sup>45</sup>:** Ph.D. Felicia BRATU -Ministry of Environment and Climate Changes.

**10<sup>45</sup> – 11<sup>15</sup>** Coffee break.

**11<sup>15</sup> – 11<sup>45</sup>:** Prof. Ph.D. Jean – Pierre CELIS - ECP – France & KULeuven – Belgium.

**11<sup>45</sup>- 12<sup>00</sup>:** Ph.D. Alina – Crina CIUBOTARIU - Dunărea de Jos University of Galați.

**12<sup>00</sup> – 12<sup>15</sup>:** Ph.D. Eliza DĂNĂILĂ - Dunărea de Jos University of Galați.

**12<sup>15</sup>- 12<sup>30</sup>:** Ph.D. Student Iulian BOUNEGRU - Dunărea de Jos University of Galați.

**12<sup>30</sup> – 12<sup>45</sup>:** Ph.D. Student Laurențiu MARDARE - Dunărea de Jos University of Galați.

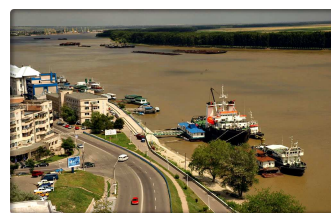
**13<sup>00</sup>-15<sup>00</sup>:** Lunch (*Blue Sun Restaurant* – Hotel Galati).

**15<sup>00</sup> – 17<sup>00</sup>:** Round table.

Place: Faculty of Materials and Environmental Engineering, 111 Domneasca Street, Hall AN012.

**17<sup>00</sup>-17<sup>30</sup>:** Closing Remarks.

**25-07-2014:** Departure.



Looking forward to meet you all in Galati!