

◆ Competences Centre of Interfaces - Tribocorrosion – Electrochemical Systems (CC-ITES): [www.cc-ites.ugal.ro](http://www.cc-ites.ugal.ro)

Materials and Environmental Engineering Faculty: [www.fimm.ugal.ro](http://www.fimm.ugal.ro)

Dunarea de Jos University of Galati (UDJG), Romania: [www.ugal.ro](http://www.ugal.ro)

◆ Laboratoire Génie des Procédés Matériaux (LGPM) Ecole Centrale Paris (ECP), Chatenay Malabry, France: [www.ecp.fr](http://www.ecp.fr)

◆ Department of Metallurgy and Materials Engineering, Katholieke Universiteit Leuven (KULeuven), Belgium: [www.kuleuven.be](http://www.kuleuven.be)

# 3<sup>th</sup> International Workshop

## NanoSurf 03 / 2014

### jointly with PERFORM

23 - 25 of July 2014

Galați  
România



**ALEGE EXCELENȚA  
PROFESSIONALĂ ȘI URMEAZĂ UN  
PROGRAM DE STUDII DOCTORALE  
ÎN INGINERIA MATERIALELOR  
LA CC-ITES !**

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**CHOOSE THE PROFESSIONAL  
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# 3<sup>rd</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

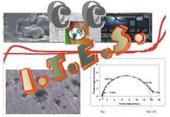
You are kindly invited to attend the 3<sup>rd</sup> workshop organized by the Scientific Research Community in the frame of Research Scientific Projects: **CEA-IFA-Project C2-02-NanoSurfCorr / 2012, PNII-Bilateral RO-FR-Project 702-CorBioMat / 2013, PNII-PCE-Project 10 - HyBioElect / 2013** and **POSDRU/159/1.5/S/138963 Project - PERFORM** to attend the 3<sup>rd</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:

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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.



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## 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 PONTHIAUX 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 BENEÀ - Dunărea de Jos University of Galati: [Lidia.Benea@ugal.ro](mailto:Lidia.Benea@ugal.ro)

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

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

## INVITED LECTURES:

### Prof.Ph.D. Pierre PONTHIAUX, 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. GIORGIOU: 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.*



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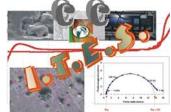
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## Organizing Committee:

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

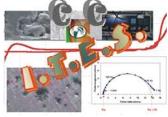
**2. Ph.D. Eliza DĂNĂILĂ**, Prof. Ph.D. Lidia BENEÀ: *Titanium alloy – Electrochemical methods to improve surface properties for biomedical applications (Rapport project 10/2013).*

**3. Ph.D. Student Iulian BOUNEGRU**, Ph.D. Eliza DĂNĂILĂ, Prof. Ph.D. Lidia BENEÀ: *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 BENEÀ: *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)

<b>Project:</b>	<b>CorBioMat</b>	<a href="http://www.corrbiomat.ugal.ro">http://www.corrbiomat.ugal.ro</a>
<b>Project:</b>	<b>HyBioElect</b>	<a href="http://www.hybioelect.ugal.ro">http://www.hybioelect.ugal.ro</a>
<b>Project:</b>	<b>NanoSurfCorr</b>	<a href="http://www.nanosurfcorr.ugal.ro">http://www.nanosurfcorr.ugal.ro</a>
<b>Project</b>	<b>PERFORM</b>	<a href="http://www.perform.ugal.ro">http://www.perform.ugal.ro</a>



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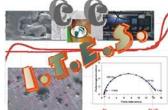


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## Workshop Program

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 BENEÀ – 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 BENEÀ & Prof. Ph.D. Minodora RIPA

**09<sup>45</sup> – 10<sup>15</sup>:** Prof. Ph.D. Pierre PONTHIAUX - 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 Galați).**

**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.



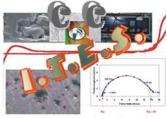
**Looking forward to meet you all in Galati!**



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**INOVEAZĂ ȘI  
VALORIZICĂ CERCETAREA !**

**BE INNOVATIVE AND LEARN TO  
VALORISE YOUR RESEARCH RESULTS !**

**INVESTEŞTE ÎN OAMENI ȘI CUNOAȘTERE !**

**INVEST IN PEOPLE AND KNOWLEDGE !**



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## Research Projects:

**CEA-IFA-Project C2-02-NanoSurfCorr / 2012:** „Suprafețe funcționale obținute prin electrodepunerea nanofazelor disperse ceramice cu metale (Co, Ni, Zn, Cu) pentru creșterea rezistenței la coroziune și tribocoroziune în industria nucleară (Functional surfaces obtained by electroplating of nano-sized dispersed ceramic phases with metals (Co, Ni, Zn, Cu) for use in the nuclear industry to increase the corrosion and tribocorrosion resistance)“.

**PNII-Bilateral RO-FR-Project 702-CorBioMat / 2013:** “Tribocoroziunea biomaterialelor și a straturilor micro și nanostructurate în medii specifice (Tribocorrosion de biomatériaux et de dépôts micro et nano structurés dans des milieux spécifiques)“.

**PNII-PCE-Project 10 - HyBioElect / 2013:** “Noi funcționalizări hibride (anorganic – organic) a suprafețelor biomaterialelor (metale, aliaje) cu molecule bioactive prin tehnici electrochimice (New hybrid (inorganic – organic) functionalization of biomaterials (metals, alloys) surfaces with functional molecules by electrochemical techniques)“.

## Web addresses:

Project 702/30-04-2013 CorBioMat  
<http://www.corrbiomat.ugal.ro>

Project 10/30-08-2013 - HyBioElect  
<http://www.hybioelect.ugal.ro>

Project C2-02 / 28-02-2012 NanoSurfCorr  
<http://www.nanosurfcorr.ugal.ro>

Project POSDRU/159/1.5/S/138963 PERFORM  
<http://www.perform.ugal.ro>

## „PERFORMANȚA SUSTENABILĂ ÎN CERCETAREA DOCTORALĂ ȘI POSTDOCTORALĂ” – PERFORM

POSDRU/159/1.5/S/138963

Cofinanțat din Fondul Social European prin Programul Operațional Sectorial Dezvoltarea Resurselor Umane 2007-2013 - Axa Prioritară 1 „Educația și formarea în sprijinul creșterii economice și dezvoltării societății bazate pe cunoaștere”, Domeniul Major de Intervenție 1.5 „Programe doctorale și postdoctorale în sprijinul cercetării”.

**Editorul materialului (Edithor): Prof. Ph.D. Lidia BENEÀ**

Data: 18/07/2014

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