

Functional Nanomaterials Workshop

Organized by the N2EV department & LUE MAT-Pulse
Interdisciplinary Project

May 6, 2025, 14:00-17:30

Patrick ALNOT Room (N° 4-A014), IJL, Campus ARTEM

Session 1 Functional Nanomaterials for HealthCare : 14:00 -15:30	
	14:00-14:15 : Core/shell nanoparticles for cancer the therapy Prof. Halima ALEM-MARCHAND Institut Jean Lamour, Équipe, Université de Lorraine – CNRS,
	14:15-15:40 : Tailored design of activable mesoporous silica nanocomposites for theranostic applications Dr. Damien MERTZ (CR CNRS) Chimie des Matériaux Inorganiques (DCMI) Université de Strasbourg, CNRS, Institut de Physique et Chimie des Matériaux de Strasbourg (ICPMS) – France
	14:40-15:05 : Design of ZnO-based coatings on 2D and 3D titanium parts for biomedical applications Dr. Samantha SOULE, Équipe Spectroscopies des Interfaces des MATériaux et du Vivant ; Université de Lorraine, CNRS, Laboratoire de Chimie Physique et Microbiologie pour les Matériaux et l'Environnement (LCPME) Nancy – France
	15:05-15:30 : Mechanical surface testing applied to the energy and healthcare sectors. Dr. Guillaume BERTHOUT, Chef Produit Anton Paar France S.A.S.
Cafe break & Nanoindenter demo : 15:30-16:10	
Session 2 Functional Nanomaterials for Energy : 16:10 - 17:25	
	16:10-16:35 : Abundant metal-based catalysts supported on carbon materials: from traditional to electrocatalytic applications Dr. Sergeï CHERNIAK, Equipe Matériaux Bio-Sourcés (402) Université de Lorraine – CNRS, Université de Lorraine, CNRS, Institut Jean Lamour, F-54000, Nancy – France
	16:35-17:00 : Metal Organic Frameworks (MOFs) and their further application in (photo)catalysis Prof. Raphaël Schneider, Laboratoire Réactions et Génie des Procédés, UMR 7182, Nancy France Université de Lorraine, CNRS,
	17:00-17:25 : PVDF matrix electrospun nanocomposites for energy havresting devices Maïté FERNANDES TRONCO, Équipe Micro et Nano-Systèmes (405) Université de Lorraine, CNRS, Institut Jean Lamour, F-54000, Nancy – France

During the coffee break, will be giving a demonstration on the Nanoindentation Testeur : Hit 300 by **Anton Paar France**. More advanced training on this equipment, open to all, is also being organized on the morning of 7 May at the IJL.

If you would like to take part in this training course, please let me know by e-mail no later than 28 April.:

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