



Date	Wednesday 14th March 2018	AMPHI 2B10
09:00	<b>Introduction : F. Bruckert</b>	
09:15	<b>Chairman : David Muñoz-Rojas ; Hubert Renevier : General introduction</b>	
09 :25	<b>NanoMAT</b>	<b>Thierry Ouisse : (Axe) Lamellar materials, ultrathin films, 2D materials</b> <ul style="list-style-type: none"> <li>• 1st experimental determination of the electronic structure of MAX phases</li> <li>• 1st experimental determination of the phonon dispersion curves</li> <li>• 1st single crystals of magnetic Rare Earth based MAX Phases</li> </ul>
9 :55		<b>Vincent Consonni: (Axe) Nanowires, nano-heterostructures</b> <ul style="list-style-type: none"> <li>• Polarity and its effects in ZnO nanowires</li> <li>• Doping of ZnO nanowires grown by CBD</li> <li>• Sb<sub>2</sub>S<sub>3</sub> and its integration into ETA solar cells</li> </ul>
10 :25		<b>Coffee break</b>
11 :00	<b>Monica Burriel : (Axe) Ion transport and resistive switching in oxide systems</b> <ul style="list-style-type: none"> <li>• <b>Benjamin Meunier</b> : Resistive switching-induced chemical changes at the LaMnO<sub>3+d</sub> film surface using c-AFM</li> <li>• New memristors based on GdBaCo<sub>2</sub>O<sub>5+δ</sub>: modulation of the memristive response by the magnetic phase transition</li> <li>• A XAFS atomistic insight of the oxygen getting in Ti/HfO<sub>2</sub> based OxRRAM</li> </ul>	
11 :30	<b>Hubert Renevier: (Axe) Advanced characterization</b> <ul style="list-style-type: none"> <li>• In situ experiments at LMGP</li> <li>• The initial stages of ZnO ALD on Atomic Flat InGaAs substrates</li> </ul>	
12 :00	<b>Poster and lunch (Salle Forum)</b>	
13:45	<b>Table ronde:</b> David Muñoz-Rojas/ Klaasjan Maas Data organisation and mind mapping	
14:30	<b>IMBM</b>	<b>Chairwoman : Eirini Sarigiannidou ; Catherine Picart : General introduction :</b>
14:40		<b>(Axe) Biomolecules at Interfaces and biomimetism</b> <ul style="list-style-type: none"> <li>• <b>Marianne Weidenhaupt</b> : Protein aggregation at interfaces</li> <li>• <b>Elisa Migliorini</b> : BMP mediated mechanotransduction : Biomimimetic platforms</li> </ul>
15:05	<b>Coffee break</b>	
15 :30	<b>IMBM</b>	<b>(Axe) Tissue Engineering and Cancer therapeutics</b> <ul style="list-style-type: none"> <li>• <b>Antalya Ho-Sui-Ling, Mirasbek Kuterbekov</b> : Bone tissue engineering</li> <li>• <b>Jie Liu</b> : Presentation of SATT APIOS/ERC <b>REGENRBONE</b></li> <li>• <b>Catherine Picart</b> : Cancer therapeutics</li> </ul>
16:00		Presentation of projets : ERC/SATT Bioactive Coatings, FUI Oncochip
16 :20		
16 :40		
17 :00	<b>End of day's programm</b>	



Date	Thursday 15th March 2018	AMPHI 2B9
09:00	FunSurf	Chairwoman : Elisa Migloirini ; <b>Jean-Luc Deschanvres</b> : General introduction
9 :10		<b>Michel Langlet</b> : (Axe) Wet chemistry and surface functionalization
9 :30		<b>Valérie Stambouli</b> : (Axe) Nanostructures for sensors <ul style="list-style-type: none"> <li>• <b>Thuy Nguyen</b> : Nanonets : from lab to fab</li> <li>• <b>Maxime Legallais</b> : Outstanding achivement with silicon nanonets</li> </ul>
10:15	<b>Coffee break</b>	
10:30	Invited orators	<b>Françoise Hippert</b> : Chalcogenide phase change materials for non volatile Memory Devices
		<b>Tony Maindron</b> : Atomic layer Deposition technology for thin-film encapsulation in organic electronics
		<b>Xerman de la Fuente</b> : Laser Materials Processing: A brief overview
11 :30	<b>Poster et lunch (Salle Forum)</b>	
13:30	<b>Table ronde:</b> Joao Resende & Adria Salas How a PhD can help you in your professional career? Invited participants : Caroline Coutier (CEA), Paul Kaufmann (MaGIA), Virginie Lavalley (Becton Dickenson), Etienne Puyoo (INL)	
14:30	<b>Coffee break / Discussions/ Echanges</b>	
15:00	FunSurf	<b>David Muñoz-Rojas</b> : (Axe) Atmospheric Chemical Deposition of functional materials
15:30		<ul style="list-style-type: none"> <li>• <b>Viet Nguyen</b> : Last results on SALD</li> </ul> <b>Daniel Bellet</b> : (Axe) Transparent conductive materials <ul style="list-style-type: none"> <li>• <b>Sara Aghazadehchors</b> : Silver Nanowires, modeling</li> <li>• <b>Jean-Luc Deschanvres</b> : New p type TCO</li> </ul>
16:00		<b>Awards for 1<sup>st</sup> and 2<sup>nd</sup> year PhD</b>
		F. Bruckert



1<sup>st</sup> Year PhD

Pierre	GAFFURI*	New generation of eco-efficient white LEDs: coupling of ZnO nanowire-based LEDs with lanthanide-free aluminium borate phosphors
Clement	LAUSECKER*	Développement de nano-générateurs piézo-électriques à base de réseaux ordonnés de nanofils de ZnO
Guillaume	LEFEVRE*	Etude de la stabilité d'un anticorps monoclonal thérapeutique à l'interface liquide-solide
Dorina	PAPANASTASIOU	Investigation of metallic nanowire networks : from physical properties towards industrial integration
Monica	VALLEJO*	Synthèse et élaboration d'aptacapteurs à nanofils basés sur la détection électrique à effet de champ
Jeremy	Ruscica	Maîtrise de la thermo -densification de films sol-gel nanostructurés.

2<sup>nd</sup> Year PhD

Morgane	BONNEL*	Nouvelle génération de transducteurs sol-gel pour capteurs chimiques optiques opérant dans les milieux biologiques
Amaris	GUEVARA*	Spatio-temporal control of integrin distribution and dynamics to sculpt adhesion and cell fate
Soraya	LAKHDAR CHAOUICHE*	Electrodes transparentes innovantes pour applications photovoltaïques
César	MASSE de la HUERTA	Improving the cost-efficiency ratio of new generation solar cells using novel cell nanoarchitectures prepared by soft and scalable chemical methods
Caroline	VILLARDIE*	Development of multi-functional architected coatings combining anti-corrosion and anti-biofouling
Nehed	AMARA*	Revêtements nano-composites nanofils/ nanoparticules destinés à l'éclairage à LEDs et à la photocatalyse
Fanny	Morisot*	Nanonets de ZnO pour la détection électrique de l'acetone
Damir	PINEK*	Exploration of the electronic structure of MAX phases through Angle resolved photoemission spectroscopy and Density functional theory.
Raquel	RODRIGUEZ LAMAS*	Tailoring the resistive switching behavior of manganite thin films
Thanasis	Gkountaras*	Two dimensional electron devices built with large area M-Xenes

3<sup>eme</sup> année

Sara	Aghazadehchors
Romain	BANGE
Michael	BOUYER
Thomas	COSSUET
Getnet	DEYU
Antalya	HO-SHUI-LING
Mirasbek	KUTERBEKOV
Klaasjan	MAAS
Victorian	MAMET
Viet Huong	NGUYEN
Evgenii	SKOPIN
Robert	SORIANO CASERO
Edouard	VILLEPREUX