

PROGRAMME PREVISIONNEL 24/12/2014

Mercredi 04/02/2015 : Accueil des Participants		
Jeudi « 05/02/2015 » Matériaux 2D		
8h30		Introduction
Chairman : Samia Charfi-Kaddour		
8h45 – 9h15	Dominique Maily (LPN/Marcoussis)	Nanofabrication
9h15 – 9h45	Gilles Montambaux (LPS/Orsay)	Les “graphenes artificiels”, un nouveau terrain de jeu pour sonder la physique des points de Dirac
9h45 – 10h15	Yves Guldner (LPA/ENS)	Magneto-optical signature of short-range impurities in epitaxial graphene
Pause 30 mn		
Chairman : Gilles Montanbeaux		
10h45-11h15	Benoit Jouault (L2C)	Magnetoresistance of large homogeneous graphene grown by chemical vapor deposition on SiC
11h15-11h30	Amira Trabelsi (FST/Tunisie)	Raman spectroscopy analysis of charge redistribution graphene – none doped substrate interface
11h30-11h45	Mathieu Silly (Synchrotron Soleil)	Initial decoupling of the zero layer graphene (ZLG) on 6H-SiC(0001) by silicon intercalation: Electronic and structural properties
11h45-12h00	Mohamed Ridene (TUE/ Netherlands)	Role of Silicon Dangling Bonds in the Electronic Properties of Epitaxial Graphene on SiC
12h-12h15	Mohamed Assili (FST/Tunisie)	Long-wavelength optical phonon behavior in uniaxial strained graphene: Role of electron-phonon interaction
12h15-14h		Déjeuner
Chairman : Mehrez Oueslati		
14h-14h30	Mark Goerbig (LPS/Orsay)	Two-dimensional crystals beyond graphene - from semimetals to semiconductors
14h30-15h	Abhay Shukla (IMPMC/Paris 6)	Anodic doping of few layer materials : phase transitions and functionalization in MoS ₂ and graphene
15h-15h15		Spectroscopie Raman (Renishaw)
15h15 – 15h30	Laeitia Marty (Grenoble)	Strain Superlattices and Macroscale Suspension of Graphene Induced by Corrugated Substrates
15h30 – 15h45	Julien Chaste (LPN/Marcoussis)	Graphène Suspendu
15h45 – 16h	Adrien Robin (ESPCI/Paris)	All 2D graphene-metal chalcogenides hybrid photodetector
Pause (30 mn)		
Chairman : Dominique Maily		
16-16h30	Fausto Sirotti (Synchrotron Soleil)	Magnetic and electronic properties of surfaces and interfaces
16h30-17h	Rachid Belkhou (Synchrotron Soleil)	
17h15-17h30	Mahdi Hajlaoui (Synchrotron Soleil)	Ultrafast surface carrier dynamics in 3D topological insulators
17h30-17h45	Debora Pierucci (LPN/Marcoussis)	Self-organized Metal - Semi-Conductor Epitaxial Graphene layer on Off axis 4H-SiC(0001)
17h45-19h15		Session Poster
19h30		Dinner
Vendredi “06/02/2015” Matériaux 2D		
Chairman : Sihem Jaziri		
8h30-9h	Hélène Bouchiat (LPS/Orsay)	Impurity scattering in Graphene as a probe of the Dirac spectrum

9h-9h30	Romain Danneau	Quantum transport in graphene-boron nitride van der Waals heterostructures
9h30-9h45	Emiliano Pallecchi (IEMN/Lille)	Graphene material for high frequency rigid and flexible electronics
9h45-10h	Mohamed Boukicha (LPA/ENS)	Dirac fermions for high-speed graphene electronics
Pause 30 mn		
Chairman : Tijani Gharbi		
10h30-11h	Yannick Dappe (IRAMIS/CEA)	Des électrodes en Carbone pour une électronique moléculaire « tout Carbone »
11h-11h30	Abderahhim Ramdhane (LPN/Marcoussis)	
11h30-11h45	Bacem Zribi (LPN/Marcoussis)	Détection ultra-sensible de l'ADN basé sur l'intégration de couche de grapheme dans une cellule électrochimique microfluidique
11h45-12h	H. Arezki (LGEP/Orsay)	Engineering of CVD graphene optoelectronic properties - Application as transparent electrode in solar cells
12h -12h15	Riadh Othman (FST/Tunisie)	Direct transfer and Raman characterization of twisted graphene bilayer
12h15 -14h		Déjeuner
Chairman : Najeh Thabet-Mliki		
14h-14h30	L. Reining (LCI/ Ecole Polytechnique)	Coupling of excitations in graphite and graphene
14h30-15h	Sihem Jaziri (FBT/Tunisie)	Optoelectronic response and excitonic properties of Monolayer MoS2
15h-15h30	F. Zahra-Bouanis (Ecole Polytechnique)	High-performance electronic devices based on SWNTs
15h30-15h45	Sonia Haddad (FST/Tunisie)	Valley polarization in uniaxial strained graphene: evidence from magnetophonon resonance
16h-19h30		Temps libre
19h30		Dinner
Samedi 07/02/2015 "Nanomatériaux"		
Chairman : Radhouane Chtourou		
8h30-9h	Najeh Thabet-Mliki (FST/Tunisie)	On the magnetic nanomaterials, from the fundamental to the applications
9h -9h30	Souad Ammar (Paris 7)	Photo-sensitization of TiO ₂ 1D-nanostructures by II-VI QDs for hydrogen generation
9h30-9h45	Khaoula Boukari (Besançon)	Ionic selectivity properties of novel bioinspired solid state nanopores: Theoretical and experimental proofs
9h45-10h	F. Raouafi (IPEST/Tunis)	Etude des états d'interfaces des hétérostructures
Pause 30 mn		
Chairman : Ali Madouri		
10h30-10h45	Fayna Mammari (Paris 7)	Design of magneto-sensitive biopolymer based hybrid materials for drug delivery: study of the rheological properties
10h45-11h	H. Belkahla (Paris7)	Synthesis of Au-Fe ₃ -xO ₄ hetero-nanostructures using the polyol process
11h-11h15	Houcem Maaoui (FST/Tunisie)	Fabrication of graphene films on ZnO nanowires arrays and their Applications
11h15 -11h30	Anas Bakour (Fes/Maroc)	Comparative study of the optical properties of multiwalled-single walled carbon nanotubes and P3HT composites
11h30-11h45	Chahira Hajlaoui (IPEST/Tunisie)	Density functional theory calculations of InAs/InP band diagram lineup and polarization effects
11h45-12h	Sarra Dargouthi	Stabilizing of the transitory species (TiO ₂) ₂ by encapsulation into carbon nanotubes
12h-12h15	Maha Ben Rhouma (FST/Tunis)	Band structure of a one-dimensional graphene-dielectric photonic crystal
Clôture		
12h30-14h30		Déjeuner et départ