

Workshop USTC/CEA 2009 October, 5 to 8th.

Saclay, October 5th

Monday, October, 5 th	Saclay Amphi Bloch Orme des Merisiers	8:45	Amphi Bloch welcome
		9:00	J.P. Bourgoïn Presentation of the CEA nano-Science program. Nanoscience and technology in France
		9:30	Prof. J. Hou Presentation USTC
		Nanomaterials session	
		10:00	X. Wang Controllable fabrication and optical properties of ZnO one dimensional nanostructure
		10:30	Coffee break
		10:45	Y. Xie New Synergic-assembly Strategy towards Three-dimensional Hollow Hierarchical Nanostructures
		11:15	F. Chandezon Hybrid and organic materials for plastic photovoltaics
		11:45	S. Yu New Synthetic Strategies for Unique Functional Inorganic Nanostructures, Hybrid Nanomaterials and Their Applications
		12:15	Lunch restaurant La Rotonde
Centre de Saclay - Bât 125	- 14:00	O. Spalla Lab tour and presentation Fast nucleation and growth of gold nanoparticles: comparison between theory and SAXS/XANES time resolved experiments	
Centre de Saclay - Bât 522	- 15:45	N. Herlin Gas phase synthesis of nano-objects : nanotubes and nanoparticles	
Centre de Saclay - Bât 523	- 17:00	Y. Caristan Meeting with Director of Saclay centre. Physical Science Division	

Saclay, October 6th

Tuesday, October, 6 th	Saclay Amphi Bloch Orme des Merisiers	9:00	Soleil Synchrotron visit
		Simulation session	
		10:00	J. Yang Nearly free electron states in gated graphene nanoribbon superlattices
		10:30	Y. Luo Dynamics and statistics of electron transport in single molecules
		11:00	X. Waintal Probing correlations in mesoscopic devices with Quantum-Monte Carlo
		11:30	C. Barreateau Spin polarized transport in atomic contacts
		Quantum info.session	
		12:00	P. Bertet Advances in super conducting Qbits and visit Quantronics Lab
		13:00	Lunch break Buffet
		14:00	C. Glattli visit Nano-electronics Lab
		15:00	J. Du Adiabatic factoring algorithm and its experimental realization
		15:30	Z. Chen Experimental quantum communication
		16h15	Institut d'Optique Visit (G. Messin and C. Westbrook)

Grenoble, October, 7th

Wednesday, October, 7 th	Grenoble	8:30	Bat. C5 421A Welcome
		Scanning probe session	
		9:00	C. Zeng Charge inhomogeneity, fluctuation and soliton in atomic wire arrays
		9:30	J. Polesel Some words about self-sensing scanning probes.
		10:00	B. Wang Detecting and controlling electronic and spin states at single molecular scale.
		10:30	Coffee break
		11:00	Z. Dong New phenomena in molecular electroluminescence from tunnel junctions.
		11:30	F. Charra Photonic nanostructures: from plasmonics to molecular architectures
		12:00	T. Deutsch Ab initio calculations based on Daubechies wavelets for nanosciences.
		12:30	Lunch break
		14:30	C. Chapelier Short presentation. Very low temperature Scanning Tunneling Spectroscopy of inhomogeneous Superconductors. + visit Quantum nano-electronics
		16:00	B. Grevin Short presentation + visit. Scanning probe microscopies for organic electronics.
17:15	Conclusion and summary		

Grenoble, October, 8th

Thursday, October, 8 th	Grenoble	Nanomaterial Lab tour	
		9:30	P. Reiss Visit. Chemical synthesis, functionalization and applications of semiconductor nano-crystals.
		10:30	D. Chandezon Visit. Hybrid and organic materials for plastic photovoltaics
		11h30	Lunch