

Continuous-Variable Quantum Information Processing workshop CVQIP'2013
And mid-term QSCALE-HIPERCOM meeting

30-Jan Wednesday		31-Jan Thursday		1-Feb Friday	
Place: 30-Jan , UPMC, Amphitheatre 25 31-Jan, UPMC, Amphi Herpin 1-Feb, UPMC, Amphi Herpin	9:00-9:40	R. Garcia-Patron , Different approaches to the Gaussian bosonic channel capacity	9:00-9:40	S. Pirandola , Recovery of broken entanglement by means of separable correlations	
	9:40-10:20	U. Andersen , Continuous-variable quantum communication in a non-Markovian channel	9:40-10:20	C. Gagatsos , Majorization relations and entanglement generation in a beam splitter	
	10:20-10:50	Coffee break	10:20-10:50	Coffee break	
	10:50-11:30	A. Sorensen , Spatial multimode quantum memories and memories based on two level atoms	10:50-11:20	C. Kurz , Ion-based tools for quantum communication: experimental toolbox	
	11:30-12:00	P. Ledingham , Quantum bit storage in atomic frequency comb memories	11:20-11:40	P. Muller , Ion-based tools for quantum communication: schemes for photon storage	
	12:00-12:20	J. Fekete , Quantum light source compatible with solid state spin wave quantum memories			
	12:20-12:40	A. Nicolas , A reversible optical memory for twisted photons	11:40-12:00	I. Herrera , Atom interferometers and quantum memories	
	12:40-14:30	Lunch at Laboratoire Kastler Brossel	12:00-13:40	Lunch at Laboratoire Kastler Brossel	
14:00-14:10	Welcome by the organizers	14:30-15:10	E. Diamanti , Long-distance quantum key distribution with continuous variables	13:40-14:20	V. Parigi , Measurement of "giant" dispersive optical non-linearities and non-classical states generation in an ensemble of cold Rydberg atoms
14:10-14:50	R. Filip , Non-classicality and non-Gaussianity of states of light				
14:50-15:30	A. Mandilara , Uncertainty relations in the realm of non-classical non-Gaussian states	15:10-15:30	P. Jouguet , Integration of CVQKD in future optical networks	14:20-15:00	C. Lacroute , State-insensitive trapping of Cs atoms in the evanescent field of a nanofiber
15:30-16:00	O. Morin , Witnessing trustworthy single-photon entanglement: an illustration of the optical hybrid approach				
16:00-16:20	P. Sekatski , Displacing entanglement back and forth between the micro and macro domains	15:30-16:00	C. Marquardt , Free-space communication and probabilistic cloning		
16:20-16:50	Coffee break	16:00-16:30	Coffee break		
16:50-17:20	N. Treps , Scalable, multimode entanglement within a femtosecond frequency comb	16:30-17:10	R. Blandino , Improving the maximum transmission distance of continuous-variable quantum key distribution using a noiseless amplifier		
17:20-17:50	M. Bellini , Adaptive homodyne detection of quantum light states	17:10-17:50	J. Fiurasek , Gaussian postselection and virtual noiseless amplification and attenuation in continuous-variable quantum key distribution		
		17:50-18:20	N. Sangouard , Heralded qubit amplification for quantum communication		
17:50-18:30	G. Adesso , Nature of light correlations in ghost imaging	18:20-18:40	C. Cafaro , How to construct graphs associated with stabilizer codes		
		18:40-19:00	QSCALE and HIPERCOM administrative session, Hipercom: Amphi Herpin, QScale: LKB		
20:00-22:00	Conference Dinner at "La mosquée de Paris"				