

2012 August 27 Monday

7:30 - 8:45 Registration
8:45 - 9:00 Y. Yamamoto ICSC6 Opening Address

Session 1	9:00 - 12:45	Chair :	B. Deveaud-Pledran		
[MRev01]	9:00 - 9:50	T.	Ogawa	Excitons and polaritons in semiconductors : From one-body to many-body problems	
[MInv01]	9:50 - 10:30	S.	John	Light Trapping and Strong Exciton-Photon Coupling in Photonic Band Gap Materials	
10:30 - 11:00 Coffee break					
[MInv02]	11:00-11:40	J.	Bloch	Polariton condensation in microstructured cavity: from extended spatial coherence to sel-trapping"	
[MCont01]	11:40-12:05	D.	Tanese	Polaritons in a 1D periodic potential: condensation in gap states	
[MPos01]	12:05-12:40	Poster Advertisement 1 (11 people)			

12:40 - 14:00 Lunch

Session 2	14:00 - 17:20	Chair :	I. Carosotto		
[MInv03]	14:00 - 14:40	J.	Keeling	Condensation vs lasing and superfluidity of coupled light-matter systems	
[MInv04]	14:40 - 15:20	E.	Kammann	Spontaneous symmetry breaking and long range coherence in polariton and photon lasers	
[MCont02]	15:20 - 15:45	W.	Nitsche	First-Order Spatial Correlation Function of Polariton Lasing vs. VCSEL Lasing	
15:45 - 16:00 Coffee break					
[MInv05]	16:00 - 16:40	N.	Berloff	Universal behavior and pattern-forming in nonequilibrium condensates	
[MInv06]	16:40 - 17:20	G.	Tosi	Nonlinear light-matter fluids made to interact: from harmonic oscillations to vortex lattices	

18:00 - 19:30 Welcome reception

2012 August 28 Tuesday

Session 3	9:00 - 12:45	Chair:	J. Bloch		
[TRev02]	9:00 - 9:50	B.	Deveaud	Exciton polariton condensates and quantum fluids, where do we go?	
[TInv07]	9:50 -10:30	D.	Snoke	Long Distance Propagation of Long Lifetime Polaritons in Microcavities	
	10:30 - 11:00	Coffee break			
[TInv08]	11:00-11:40	K.	Nelson	Influence of multi-exciton correlations on nonlinear polariton dynamics	
[TInv09]	11:40-12:20	J.	Taylor	Hybrid quantum photonics: from computing to topological matter	
[TPos02]	12:20-12:40	Conference Photo			

12:40 - 14:00 Lunch

Session 4	14:00 - 16:50	Chair :	M. Gonokami		
[TInv10]	14:00 - 14:40	A.	Amo	Spinor hydrodynamics in polariton condensates	
[TCont03]	14:40 - 15:05	F.	Manni	Spin vortices and Textures in Spinor Polariton Condensates	
[TPos03]	15:05 - 15:40	Poster Advertisement 2 (11 people)			
	15:40 - 16:00	Coffee break			
[TCont04]	16:00 - 16:25	M.	Wouters	Wave function Monte Carlo for polariton condensates	
[TCont05]	16:25 - 16:50	E.	Cancellieri	Vortex Lattices in Resonantly Pumped Exciton-Polariton	

17:00 - 19:00 Panel Dissuion

2012 August 29 Wednesday

Session 5	9:00 - 11:50	Chair:	A. MacDonald		
[WRev03]	9:00 - 9:50	L.	Bassett	Engaging spins in semiconductors for quantum information processing	
[WInv11]	9:50 - 10:30	I.	Carusotto	Quantum fluids of light: from superfluidity to quantum Hall Physics	
	10:30 - 11:00	Coffee break			
[WCont06]	11:00 - 11:25	P.	Cristofolini	Controlling quantum tunneling with light	
[WCont07]	11:25 - 11:50	A.	Hayat	Ultrafast control of exciton-polariton condensates	
	11:50 - 12:00	N. Y.	Kim	Excursion Orientation	

12:00 - 13:30 Lunch

14:00 - 21:00 Excursion

14:00 - 14:15	Bus departure (CISX)
15:00 - 16:30	Hiking @ Russian Ridge
16:00 - 16:30	Bus departure (Russian Ridge) to Winery
17:00 - 20:00	Thomas Fogarty Winery
17:00 - 18:00	Appetizer
18:00 - 20:00	Dinner Hill House
20:00-20:15	Bus departure @ winery
21:00	arrival

2012 August 30 Thursday

Session 6	9:00 - 12:45	Chair :	N. Berloff		
[ThRev04]	9:00 - 9:50	J.	Eisenstein	Exciton Condensation in Bilayer Quantum Hall Systems	
[ThInv12]	9:50 -10:30	M.	Gonokami	Search for exciton BEC in a bulk crystal	
	10:30 - 11:00	Coffee break			
[ThInv13]	11:00-11:40	M.	Weitz	Bose-Einstein condensation of photons	
[ThInv14]	11:40-12:20	J.	Fleischer	Condensation and Berezinskii-Kosterlitz-Thouless dynamics of classical light	
[ThCont08]	12:20-12:45	T.	Horikiri	Photoluminescence of exciton-polariton condensates in high excitation regime	

12:45 - 14:00 Lunch

Session 7	14:00 - 17:05	Chair :	K. Nelson		
[ThInv15]	14:00 - 14:40	D.	Krizhanovskii	Single bright polariton solitons and soliton trains in semiconductor microcavities	
[ThCont09]	14:40 - 15:05	H.	Flayac	Stable Magnetic Monopoles Analogues in Spinor Polariton Condensates	
[ThPos04]	15:05 - 15:40	Poster Advertisement 3 (11 people)			
	15:40 - 16:00	Coffee break			
[ThInv16]	16:00 - 16:40	T.	Liew	Multimode entanglement in quantum box arrays	
[TCont10]	16:40 - 17:05	M.	Bamba	Crossover from Antibunching to Vacuum Squeezing: Ultrastrong Coupling Cavity QED under Dissipation and Incoherent Excitation	

17:15 - 19:00 Poster Session

2012 August 31 Friday

Session 8	9:00 - 12:20	Chair :	M. Weitz		
	[FRev05]	9:00 - 9:50	M.	Zwierlein	Universal Thermodynamics and Dimensional Crossover in a Strongly interacting Fermi gas
	[FInv17]	9:50 -10:30	M.	Aidelsburger	Experimental realization of strong effective magnetic fields in an optical lattice
		10:30 - 11:00		Coffee break	
	[FInv18]	11:00-11:40	M.	Kasevich	Quantum simulation with ultra-cold atoms in reduced dimension
	[FInv19]	11:40-12:20	N. Y.	Kim	Exciton-Polariton Quantum Emulators
		12:20 - 12:40	D.	Snoke	ICSCE6 Closing address
		12:40 - 14:00		Lunch	