

Program	Les Houches	Quantum and	Optics Nanophotonics
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August 2013		9h-10h30	11h-12h30	16h-17h	17h30-19h
Monday	5	Arrival	Arrival	Arrival	Arrival
	6	9h-9h30 : Welcome 9h30-11h : Kimble 1	11h30-12h30 : Vuckovich 1	Students presentation	Steinberg 1
	7	Greffet 1	Kimble 2	Students presentation	Steinberg 2
	8	Greffet2	Kimble 3	Vuckovich 2	Steinberg 3
	9	Leuchs 1	Vuckovic 3	A. Rauschenbeutel	Kimble 4
	10				
	11				
Monday	12	Vuckovic 4	Greffet 3	S. Götzinger	Barnett 1
	13	Greffet 4	Barnett 2	B. Lounis	Leuchs 2
	14	Barnett 3	Leuchs 4 3	J. O'Brien	
	15	Greffet 5	Leuchs 4	J.M. Gérard	Barnett 4
	16	Barnett 5	Leuchs 5		Greffet 6
	17				
	18				
Monday	19	Painter 1	Orrit 1	P. Lodahl	
	20	Orrit 2	Painter 2		Reynaud 1
	21	Orrit 3	Reynaud 2	F. Jelezko	Painter 3
	22	Painter 4	Reynaud 3		
	23	Orrit 4	Painter 5	P. Torma	
	24				
	25				
Monday	26	Leonhardt 1	Lukin 1		Grangier 1
	27	Leonhardt 2	Lukin 2	P. Hommelhoff	Grangier 2
	28	Lukin 3	Leonhardt 3		Lukin 4
	29	Leonhardt 4	Grangier 3		Lukin 5
	30	departure			

5 lectures, S. Barnett, Quantum information
3 lectures, P. Grangier, Quantum optics with Continuous Variables
6 lectures J.J. Greffet, basics of near field optics and plasmonics
4 lectures J. Kimble, cavity QED basics, quantum networks, CQED with trapped atoms
3 lectures, S. Reynaud, Casimir forces
4 lectures, U. Leonhardt, metamaterials
5 lectures G. Leuchs, basics of quantum optics
5 lectures, M. Lukin, quantum effects in ensembles, NV centers
4 lectures, M. Orrit, single molecule optics
5 lectures O. Painter, nanofabrication, photonic crystals, optomechanics
3 lectures, A. Steinberg, Quantum measurements
4 lectures J. Vuckovic, quantum optics with quantum dot

Seminars :

J.M. Gérard

Quantum optics with photonic nanowires and photonic trumpets : basics and applications

S. Götzinger

Steering and controlling single photons with single molecules

P. Hommelhoff

Nano-optics meets strong field physics -- attosecond phenomena at metal tips

F. Jelezko

Quantum optics in diamond

P. Lodahl

Quantum optics in photonic-crystal waveguides and cavities

B. Lounis

Optical detection and spectroscopy of individual nano-objects

J. O'Brien

Integrated quantum photonics

A. Rauschenbeutel

Trapping and Interfacing Cold Neutral Atoms Using Optical Nanofibers

P. Torma

Strong coupling phenomena in nanoplasmonics