



## Topics in Condensed Matter Physics

Summer School sponsored by PCCM, MITRE and PCTS

August 3-6, 2009

PCTS, 4th Floor, Jadwin Hall, Princeton University



### August 3, 2009 (Monday)

9:30 AM	<i>Light Breakfast</i>	
9:50 AM	<i>Introductory Remarks</i>	
10:00 AM	Demler	Cold Atoms
11:00 AM	Lukin	Quantum Control of Photons and Spins
12:00 PM	<i>Lunch</i>	
1:30 PM	Kim	Quantum Phase Transitions
2:30 PM	Lukin	Quantum Control of Photons and Spins
3:30 PM	<i>Coffee</i>	
4:00 PM	Kim	Quantum Phase Transitions

### August 4, 2009 (Tuesday)

9:30 AM	<i>Light Breakfast</i>	
10:00 AM	Kim	Quantum Phase Transitions
11:00 AM	Lukin	Quantum Control of Photons and Spins
12:00 PM	<i>Lunch</i>	
1:30 PM	Demler	Cold Atoms
2:30 PM	Sondhi	Quantum Complexity
3:30 PM	<i>Coffee</i>	
4:00 PM	Demler	Cold Atoms

### August 5, 2009 (Wednesday)

9:30 AM	<i>Light Breakfast</i>	
10:00 AM	Huse	Many-Body Localization
11:00 AM	Gershenson	Superconducting Qubits
12:00 PM	<i>Lunch</i>	
1:30 PM	Huse	Many-Body Localization
2:30 PM	Gershenson	Superconducting Qubits
3:30 PM	<i>Coffee</i>	
4:00 PM	Sondhi	Quantum Complexity

### August 6, 2009 (Thursday)

9:30 AM	<i>Light Breakfast</i>	
10:00 AM	Bernevig	FeAs Superconductors
11:00 AM	Durian	Granular Systems
12:00 PM	<i>Lunch</i>	
1:30 PM	Durian	Granular Systems
2:30 PM	Bernevig	FeAs Superconductors
3:30 PM	<i>Coffee</i>	



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