



## Topics in Condensed Matter Physics

Summer School sponsored by Princeton Center for Complex Materials

August 13-16, 2007

Bowen Hall, Princeton University

### August 13, 2007 (Monday)

9.00 am - 9.50 am	<i>Coffee</i>	
9.50 am - 10.00 am	<i>Introductory Remarks</i>	
10.00 am - 11.00 am	P. Chaikin (Princeton/NYU)	Packing, Irreversibility, Self Assembly and Self Replication with Colloids
11.00 am - 12.00 pm	R. Shankar (Yale)	Renormalization Group for Dummies
12.00 pm - 13.30 pm	<i>Lunch</i>	
1.30 pm - 2.30 pm	P. Chaikin (Princeton/NYU)	Packing, Irreversibility, Self Assembly and Self Replication with Colloids
2.30 pm - 3.30 pm	R. Shankar (Yale)	Renormalization Group for Dummies
3.30 pm - 4.00 pm	<i>Coffee</i>	
4.00 pm - 5.00 pm	J. Petta (Princeton)	Quantum Control of Spins in Semiconductors

### August 14, 2007 (Tuesday)

9.30 am - 10.00 am	<i>Coffee</i>	
10.00 am - 11.00 am	J. Petta (Princeton)	Quantum Control of Spins in Semiconductors
11.00 am - 12.00 pm	P. Chaikin (Princeton/NYU)	Packing, Irreversibility, Self Assembly and Self Replication with Colloids
12.00 pm - 13.30 pm	<i>Lunch</i>	
1.30 pm - 2.30 pm	R. Shankar (Yale)	Renormalization Group for Dummies
2.30 pm - 3.30 pm	J. Petta (Princeton)	Quantum Control of Spins in Semiconductors
3.30 pm - 4.00 pm	<i>Coffee</i>	
4.00 pm - 5.00 pm	N. Cooper (Cambridge)	Rapidly Rotating Cold Atomic Gases

Agenda subject to change. Please check for updates.



## Topics in Condensed Matter Physics

Summer School sponsored by Princeton Center for Complex Materials

August 13-16, 2007

Bowen Hall, Princeton University

### August 15, 2007 (Wednesday)

9.30 am - 10.00 am	<i>Coffee</i>	
10.00 am - 11.00 am	N. Cooper (Cambridge)	Rapidly Rotating Cold Atomic Gases
11.00 am - 12.00 pm	M. Shayegan (Princeton)	Interaction effects in multi-component 2D electron systems: role of layer, spin, and valley degrees of freedom
12.00 pm - 13.30 pm	<i>Lunch</i>	
1.30 pm - 2.30 pm	N. Cooper (Cambridge)	Rapidly Rotating Cold Atomic Gases
2.30 pm - 3.30 pm	M. Shayegan (Princeton)	Interaction effects in multi-component 2D electron systems: role of layer, spin, and valley degrees of freedom
3.30 pm - 4.00 pm	<i>Coffee</i>	
4.00 pm - 5.00 pm	D. Haldane (Princeton)	The Spin Hall Effect

### August 16, 2007 (Thursday)

9.30 am - 10.00 am	<i>Coffee</i>	
10.00 am - 11.00 am	P. Kim (Columbia)	Transport in Graphitic Nanoscaled Materials
11.00 am - 12.00 pm	D. Haldane (Princeton)	The Spin Hall Effect
12.00 pm - 13.30 pm	<i>Lunch</i>	
1.30 pm - 2.30 pm	P. Kim (Columbia)	Transport in Graphitic Nanoscaled Materials
2.30 pm - 3.30 pm	D. Haldane (Princeton)	The Spin Hall Effect
3.30 pm - 4.00 pm	<i>Coffee</i>	
4.00 pm - 5.00 pm	M. Shayegan (Princeton)	Interaction effects in multi-component 2D electron systems: role of layer, spin, and valley degrees of freedom

Agenda subject to change. Please check for updates.