2020 Princeton Summer School on Condensed Matter Physics

"Magnetism in Quantum Materials" - June 8 - June 15 – Virtual program via Zoom Webinar

Day 1	**Monday, June 8**
10:00-11:15 am EST	Introduction by PCCM Director Dr. Ali Yazdani **"Using Chemical Logic for the Design of New Quantum Materials"** *Prof. Leslie Schoop, Princeton University*
1:00-2:15 pm EST	**"Topological Magnets in 2D and 3D"** *Prof. Zahid Hasan, Princeton University*
3:00-5:10 pm EST	**"Spin Liquids I"** *Prof. Leon Balents, University of California, Santa Barbara* **Poster Session I**

***Day 5**	***Monday, June 15**
10:00-11:15 am EST	**"Magnetism in Topological Materials I"** *Prof. Joe Checkelsky, MIT*
1:00-2:15 pm EST	**"Spin Liquids II"** *Prof. Leon Balents, University of California, Santa Barbara*
3:00-4:15 pm EST	**"Magnetism in Topological Materials II"** *Prof. Joe Checkelsky, MIT*

Day 2	**Tuesday, June 9**
10:00-11:15 am ET	**"Thermal Transport in the Spin-Liquid Phase of α-$RuCl_3$, at Low Temperatures"** *Prof. Nai Phuan Ong, Princeton University*
1:00-2:15 pm ET	**"Magnons as New Probes of Strongly Correlated Matter I"** *Prof. Amir Yacoby, Harvard University*
3:00-5:05 pm ET	**"Magnons as New Probes of Strongly Correlated Matter II"** *Prof. Amir Yacoby, Harvard University* **Poster Session II**

Day 3	**Thursday, June 11**
10:00-11:15 am EST	**"Controlling Spins in 2D Layered Materials"** *Prof. Kin Fai Mak, Cornell University*
1:00-2:15 pm EST	**"Topology and Correlation in Moiré Graphene Materials I"** *Prof. Senthil Todadri, MIT*
3:00-5:10 pm EST	**"Topology and Correlation in Moiré Graphene Materials II"** *Prof. Senthil Todadri, MIT* **Poster Session III**

Day 4	Friday, June 12
10:00-11:15 am EST	**"Magnetism in Strongly Correlated Moiré superlattices"** *Prof. Kin Fai Mak, Cornell University*
1:00-3:10 pm EST	**"Spin and Orbital Magnetism in Layered Materials"** *Prof. Xiaodong Xu, University of Washington* **Poster Session IV**

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