Title: Welcome Address

Date: May 25, 2017 09:55 AM

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Abstract:

2016

Kazushi Kanoda, University of Tokyo
Organic materials: all-in-one systems for Mott physics - Quantum criticality, preformed pairs and spin liquids

Roderich Moessner, Max Planck Institute, Complex Systems
Disorder in spin liquids

2015

Bob Cava, Princeton University
Recent chemical and structural studies of geometrically frustrated magnets, dirac semimetals, and topological insulators

Allan MacDonald, University of Texas at Austin
The quantum hall effect and spintronics

2014

David Huse, Princeton University
Localization-protected quantum order

Young Lee, Massachusetts Institute of Technology
Experimental sightings of the quantum spin liquid

2013

Steve Kivelson, Stanford University
Theoretically established states with a pseudo-fermi surface

Radu Coldea, University of Oxford
Reaching experimentally quantum criticality: a playground to explore novel correlated quantum states of matter

2012

Paul Chaikin, New York University
Classical Wigner crystals on flat and curved surfaces, topological defects, 'pleats' and particle fractionalization

Patrick Lee, Massachusetts Institute of Technology
Quantum spin liquids: from drought to deluge

2011

Seamus Davis, Cornell University
The secret within

Eduardo Fradkin, University of Illinois at Urbana-Champaign
Electronic liquid crystal phases of strongly correlated systems

2010

Leon Balents, Kavli Institute for Theoretical Physics
Spin-orbit physics in the Mott regime

2009

Piers Coleman, Rutgers University
Composite pairing in the new "high Tc" heavy fermion superconductors

Bill Halperin, Northwestern University
Unconventional pairing and impurities in superfluid helium-3

2008

Collin Broholm, Johns Hopkins University
Ferroelectricity out of magnetic frustration

Subir Sachdev, Harvard University
Nodal quasiparticles and spin and charge order in the cuprate superconductor