8:30 Refreshments & Registration

8:50 Opening Remarks
Veit Elser, Cornell University

9:00 Frustration
Chair: Veit Elser, Cornell University
Michel Gingras, University of Waterloo and Canadian Institute for Advanced Research
Has Compelling Experimental Evidence for Order-by-Disorder at Last Been Found in a Frustrated Magnetic Material?
Collin Broholm, The Johns Hopkins University
Neutron Scattering from Corner-sharing Simplexes
David Huse, Princeton University
Order by disorder in spin glasses

10:30 Break

11:00 Quasicrystals
Chair: Mike Widom, Carnegie Mellon University
Marc de Boissieu, Université de Grenoble, Science et Ingénierie des Matériaux et Procédés
Quasicrystals: structure and dynamics
Marek Mihalkovic, Slovak Academy of Science
Canononical-cell tiling and real icosahedral structures
Ron Lifshitz, Tel Aviv University
Mesoscopic Quasicrystals

12:30 Lunch in Baker Portico
(1st floor atrium by Baker Hall)

1:30 Interacting electrons and numerical methods
Chair: Jan von Delft, University of Munich
Bert Halperin, Harvard University
Fractional quantized Hall effect and phase transitions in the lowest Landau level of monolayer graphene
Siew-Ann Cheong, Nanyang Technological University
Numerical Methods as Exploration Tools for Theoretical Condensed Matter Physics
Hitesh Chandugani, University of Illinois at Urbana-Champaign
Density matrix based numerical method for discovering order in interacting systems
Anders Sandvik, Boston University

3:30 Break

4:00 Biological physics
Chair: Chen Zeng, George Washington University
Jane Kondev, HHMI and Brandeis University
DNA folding in cells
Rob Phillips, California Institute of Technology
How Viruses Make New Viruses: A Single-Molecule View
Robijn Bruinsma, University of California at Los Angeles
DNA confinement drives uncoating of the HIV virus

6:00 Banquet in Baker Portico
(1st floor atrium by Baker Hall)