**Friday, November 3, 2017**

8:45 am  Welcome & Announcements – **Eduardo Fradkin 190 ESB**

9:00 am  Rahul Nandkishore – Emergent phases of fractonic matter

9:30 am  Liang Fu - Fractons and Generalization of Non-Abelian Statistics in Three Dimensions

10:00 am Luiz Santos - Chern-Simons Composite Fermion Theory of Fractional Chern Insulators

10:30 am  Coffee Break – 2nd floor Commons ESB

11:00 am Mike Mulligan - Superuniversality and non-abelian bosonization in 2+1 dimensions

11:30 am Olexei Motrunich - Realization of direct trivial-SPT transition of bosons with U(1)xU(1) symmetry and relation to exactly self-dual easy-plane NCCP1 model

Noon  Lunch Break

3:00 pm  Dominic Else - A general framework for topological phases with spatial and space-time symmetries

3:30 pm  Maissam Barkeshli - Space-time reflection symmetry enriched topological phases of matter

4:00 pm  Huajia Wang - Many faces of mirror symmetry

4:30 pm  Coffee & Poster Session – 2nd floor Commons ESB

5:00 pm  Andrey Gromov - Bimetric theory of fractional quantum Hall states

5:30 pm  Thomas Scaffidi - Gapless Symmetry Protected Topological Order

7:00 pm  Dinner (by invitation) – Timpone’s

**Saturday, November 4, 2017**

9:00 am  Yingfei Gu - Fractional statistics and the butterfly effect

9:30 am  Tom Faulkner - Causality, quantum information and a little bit of chaos

10:00 am Julia Steinberg - A Quantum Quench of the Sachdev-Ye-Kitaev Model

10:30 am  Coffee Break – 2nd floor Commons ESB

11:00 am Erez Berg - Anatomy of a bad metal: local criticality and marginal Fermi liquid in a translationally invariant solvable model

11:30 am Fiona Burnell - Thermalization and localization in constrained disordered systems

Noon  Lunch Break

3:00 pm  Joseph Maciejko - Simple Z2 lattice gauge theories with fermionic matter at finite density

3:30 pm  Meng Cheng - Higgsing a symmetric U(1) spin liquid

4:00 pm  Break and Poster Session– 2nd floor Commons ESB

6:00 pm  End of Poster Session
**Sunday, November 5, 2017**

9:00 am  Cenke Xu - Deconfined quantum critical point on the triangular lattice

9:30 am  Sung-Sik Lee - Exact critical exponents for the antiferromagnetic quantum critical metal in two dimensions

10:00 am  Yi-Zhuang You - Exotic Quantum Critical Point from Bosonic Topological Transition to Symmetric Mass Generation

10:30 am  Coffee Break – 2nd floor Commons ESB

11:00 am  Barry Bradlyn - New frontiers for topological semimetals

11:30 am  Jennifer Cano - Topological Quantum Chemistry

12:00 pm  Concluding Remarks

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**Chaos, Duality and Topology in Condensed Matter Theory**

November 3-5, 2017

109 Engineering Sciences Building

University of Illinois at Urbana Champaign

"Tango" A sculpture by Larry Young, located at the Wandell Sculpture Garden at Meadowbrook Park in Urbana, Illinois. Photo by Timothy A. Bartlett.

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NOTE: Schedule subject to change

https://icmt.illinois.edu/workshops/ICMTFest2017/
http://www.icmt.illinois.edu/
http://physics.illinois.edu/