

**Bar Ilan University , Condensed Matter Seminar**

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**Resnick Building 209, room 210**

**Duality near the superconductor-insulator transition**

Abstract:

Careful transport measurements near the superconductor-insulator transition in amorphous indium-oxide reveal a symmetry relating states in the insulator to those in the superconducting phase. I will discuss this symmetry and its consequences, and show that it is violated upon entering the strong insulator at low temperatures.