

The Physics Department  
Ben Gurion University



a series of lectures on

# Disorder induced critical scaling and what magnets can tell us about earthquakes

**Prof. Karin Dahmen**  
University of Urbana Champaign

**Sunday Nov. 18: 14:00-16:00:** Hysteresis, disordered magnets, mean field theory and the renormalization group

**Tuesday Nov. 20: 12:00-14:00:** Simulations of driven non-equilibrium spin systems and data analysis of systems with avalanches

**Wednesday Nov. 21: 13:00-15:00:** Mean field theory of plastic deformation spin avalanches and applications to simulations of dislocation dynamics earthquake statistics

For more details: Grzegorz Jung at [jung@bgu.ac.il](mailto:jung@bgu.ac.il)  
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