Welcome to 2nd Annual Meeting of Cracking the Glass Problem

Coming off of:
APS March Meeting:
Lisa Manning won the Maria Goeppert-Mayer Award

Giulio Biroli won the Prix d'Aumale (L’Académie des Sciences)

KITP Program on Memories in Matter
New way to ask questions about the nature of matter
Collaboration meetings (last year)

3/9-10/17  Annual Simons Collaboration Meeting  New York
5/5/17    A chaotic journey: disordered systems to black holes  Paris
6/5-6/17  Informal collaboration meeting  Chicago
7/3-28/17 Boulder School: Frustrated and Disordered Systems  Boulder
10/23-26/17 Yearly Collaboration Meeting  NO TALKS!!!  Royaumont Abbey
10/26-28/17 Yielding of amorphous solids  Paris
1/3-5/18 Beyond mean field theory: Renomalization group, non-perturbative approaches to glassy systems  Rome
1/19/18  Informal Meeting on Gardner Transition  Montpellier
1/2 - 3/9/18 KITP Program: Memories in Matter  Santa Barbara
Upcoming meetings

Big picture to highly focused

3/10/18 For students and postdocs New York
4/11-13/18 High-dimensional dynamics New York
10/22-24/18 Yielding vs depinning in disordered systems Paris
10/24-29/18 Yearly Collaboration Meeting NO TALKS!!! Royaumont Abbey
1/7-3/1/19 KITP Program: Rough High-dimensional Landscapes Santa Barbara
Plan for this meeting

Started with last night’s public lecture by Lisa Manning

We have had many meetings on special topics

4 talks from the collaboration

1) David Reichman: Perspectives on Dynamics
2) Three talks about our major accomplishments
   Ludovic Berthier - The Gardner Transition
   Patrick Charbonneau - Algorithms
   Matthieu Wyart - Rheology

New Frontiers: 4 talks from colleagues

Daan Frenkel - Ergodicity in energy landscapes
Eric Vanden Eijden - Accelerated sampling
Karen Daniels - Counting network configurations
Rémi Monasson - Reverse engineering of proteins
For students and postdocs in the collaboration
Saturday, March 10th — Columbia University

8:30 AM: Introduction to "Cracking the Glass Problem" research groups
9:00 AM: Misaki Ozawa (Montpellier): Yielding in amorphous solids
10:00 AM: Discussions
10:30 AM: Elijah Flenner (Colorado State): Simulations on Vapor Deposited Glasses
11:30 AM: Félix Roy (CEA Saclay): Do not quench ecosystems
12:30 PM: Lunch
1:30 PM: Jacopo Rocchi (Paris XI): Dynamics and fluctuations in spin glasses
2:30 PM: Harukuni Ikeda (ENS Paris): Theory of swap Monte-Carlo algorithm
3:30 PM: Georgios Tsekenis (U. Oregon): Gardner Phenomenology
4:30 PM: Closing remarks
5:00 PM: End of day