

# Monday, May 11 2009

8:00-8:10 am Welcome – Robert Ecke (Los Alamos National Laboratory)

## **Morning Session - Chair Robert Ecke**

8:10-9:00 am **Katepalli Sreenivasan** (ICTP/University of Maryland)  
*A Perspective on Kraichnan's Work and Person*

9:00-9:50 am **Jorge Kurchan** (École Supérieure de Physique et de Chimie Industrielles)  
*Correlation Length for Amorphous Systems*

9:50-10:20 am COFFEE BREAK

10:20-11:10 am **Gordon Baym** (University of Illinois – Urbana-Champaign)  
*Quantum Many-Body Theory*

11:10-12:00 pm **Gregory Eyink** (Johns Hopkins University)  
*DIA and the Random-Coupling Model: Past, Present, Future*

12:00-1:30 pm LUNCH

## **Afternoon Session - Chair Gregory Eyink**

1:30-2:20 pm **Harvey Rose** (Los Alamos National Laboratory)  
*Nonequilibrium Quantum Field Theory: More Work Needed*

2:20-3:10 pm **Guido Boffetta** (University of Torino)  
*Statistics of Two-Dimensional Navier-Stokes Turbulence*

3:10-4:00 pm COFFEE BREAK

4:00-4:50 pm **Vladimir Zakharov** (University of Arizona)  
*Inverse and Direct Cascades in Wind-Driven Sea*

4:50-5:15 pm **David Montgomery** (Dartmouth University)  
*Spontaneous Spin-up: A Possible Explanation*

5:30-6:30 pm POSTER SESSION with wine & cheese

7:00-9:00 pm DINNER BANQUET (Chair - Shiyi Chen)

# Tuesday, May 12, 2009

## Morning Session - Chair Katepalli Sreenivasan

- 8:30-9:10 am **Annick Pouquet** (National Center for Atmospheric Research)  
*Turbulence in the Presence of Magnetic Fields*
- 9:10-10:00 am **Guenter Ahlers** (University of California at Santa Barbara)  
*Search for the "Kraichnan state" in Turbulent Rayleigh-Benard Convection*
- 10:00-10:30 am COFFEE BREAK
- 10:30-11:20 am **Gregory Falkovich** (Weizmann Institute)  
*Passive Scalar Turbulence*
- 11:20-12:10 am **Stanley Deser** (Brandeis University)  
*Kraichnan's First Mission, Accomplished:  
Snatching General Relativity from the jaws of Geometry*
- 12:10-1:50 pm LUNCH

## Afternoon Session - Chair: Misha Chertkov

- 1:50-2:40 pm **Misha Chertkov** (Los Alamos National Laboratory)  
*Lagrangian Turbulence*
- 2:40-3:30 pm **Konstantin Khanin** (University of Toronto)  
*Burgers Equation in Turbulence and Beyond*
- 3:30-4:00 pm COFFEE BREAK
- 4:00-4:50 pm **Charles Bennett** (IBM)  
*Quantum Information, Measurement, and the Birth and Death of Complexity*