

# Decision Making: Bridging Psychophysics and Neurophysiology

## *Schedule of Events*

Friday, March 18, 2011	
6:00 PM	Reception
7:00 PM	Bar-B-Que Dinner at the hotel
Saturday, March 19, 2011	
7:00 am to 8:00 am	Continental Breakfast
8:00 am to 9:00 am	Bruce J. West: Introductory Talk, Overview of <b>Network Science and Human Decision Making</b> Program
First Session: From Psychology to Psycho-physics	
9:00 am to 10:00 am	Stephanie Hawkins: "Moving clouds of swarming atoms": William James and Psychophysics
10:00 am to 10:15 am	Break
10:15 am to 11:15 am	Gerhard Werner: Consciousness viewed in the framework of phase space dynamics and criticality.
11:15 am to 12:15 pm	Ken Norwich: Neurophysiological Encoding of the Apprehension of Physical Events.
12:15 pm to 1:15 pm	Lunch
Second Session: Criticality: A Crucial Condition of Cooperative Systems	
1:15 pm to 2:15 pm	Dante Chialvo: Critical Brain Dynamics Allows Optimal Information Flow
2:15 pm to 3:15 pm	Dmitri Krioukov: Percolation in self-similar networks
3:15 pm to 4:15 pm	Stephan Boettcher: Renormalization Group Classification of Critical Phenomena in Complex Networks
4:15 pm to 4:30 pm	Break
4:30 pm to 5:30 pm	Maksim Kitsak: Identification of Influential Spreaders in Complex Networks
5:30 pm to 6:30 pm	Yuri Bakhtin: Decision Making and Scaling Limit for Diffusion Exit Problem
7:15 pm	Meet in hotel lobby to depart for dinner at the Greenhouse.

## Sunday, March 20, 2011

7:00 am to 8:00 am

Continental Breakfast

### Third Session: Cooperative Properties in Complex Networks

8:00 am to 9:00 am

Ginestra Bianconi: A Unified Framework for Biological Evolution and Stochastic Quantization

9:00 am to 10:00 am

Lazaros Gallos: Global Integration of Self-Similar Modules in Functional Brain Networks

10:00 am to 10:30 am

Break

10:30 am to 11:30 am

Gyorgy Korniss: The Impact of Time Delays in Network Synchronization in a Noisy Environment

11:30 am to 12:30 pm

Paolo Grigolini: From the Transmission of Chaos to the Transmission of Complexity.

12:30 pm to 1:30 pm

Lunch

1:30 pm to 3:00 pm

Round Table Discussion