

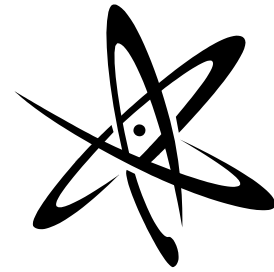
# University of Washington • Department of Physics

## PHYSICS COLLOQUIUM

David Kleinfeld (USSD)

“Encoding the Location of Objects with a Scanning Sensorimotor System ”

# *Seminars*



*Jan 5<sup>th</sup>-9<sup>th</sup>*

**Monday, January 5th, 2008**

4:00 PM, Ronald Geballe Auditorium, Rm. A-102

**Abstract:** Sensory perception in natural environments involves the dual challenge to encode external stimuli and manage the influence of changes in body position that alter the sensory field. I will discuss the mechanisms used to integrate sensory signals elicited by both external stimuli and motor activity through behavioral and electrophysiological measurements and computation modeling, using the rodent vibrissa sensorimotor system as a model system. The talk includes a primer on the relevant neurophysiology.

**Thursday, January 8th, 2008**

**General Exam**

3:00 PM, 178, CENPA

**Alexis Schubert, UW Physics**