

Announcing a Special IAP workshop

>>>> THE LATEST ON OBJECT RECOGNITION <<<<
>>>> IN MAN, MONKEY, AND MACHINE <<<<

Monday, January 29, 2001

MIT, Room E25-202, 45 Carleton Street, Cambridge, MA
10:00 am-2:00 pm

Speakers from different labs in the Department of Brain and Cognitive Sciences present results from an ongoing collaboration exploring how the cortex learns to categorize, recognize and represent objects. Eight talks covering computational, psychophysical, fMRI, and electrophysiological approaches will describe the latest advances in our understanding of object recognition in man, monkey, and machine.

Agenda

morning (10am-12:10pm)

INTRODUCTION:

Maximilian Riesenhuber: Models of Object Recognition in Cortex
Nancy Kanwisher: Special-Purpose and General-Purpose Mechanisms of Visual Object Recognition: fMRI Investigations
Kalanit Grill-Spector: Representation of Objects in the Human Visual Cortex: Invariances and Selectivities
Earl Miller: The Prefrontal Cortex and How Visual Cognition Works
David Freedman: Neuronal Correlates of Categorical Perception and Learning in the Primate Prefrontal Cortex

LUNCH BREAK: 12:10pm-12:40pm (refreshments will be served)

afternoon (12:40pm-2pm)

Jon Wallis: "Neuronal Encoding of Abstract Rules in Prefrontal Cortex"
Martin Giese: "Hierarchical Neural Model for the Recognition of Biological Motion"
Tomaso Poggio: "Computational Perspectives of Object Recognition"

Contact: Maximilian Riesenhuber, max@ai.mit.edu, with questions

EVERYONE'S WELCOME!