



# Holon Workshop

## "Mathematical Economics & Game Theory"

18.05.2005

Room 318, Building 3

11-00 - 12-00 **Prof. Robert Aumann,**  
Hebrew University, Jerusalem  
**A Taste of Game Theory**

Abstract. Upscale restaurants sometimes offer a "tasting menu:" several tidbits that give the diner an idea of what the restaurant offers. We will offer such a menu for game theory: A detective story, a marriage algorithm, a bankruptcy problem, ... whatever we have time for.

12-00 - 13-00 **Prof. Yakar Kannai,**  
Weizmann Institute of Sciences, Rehovot  
**What is Perfect Competition?**

Abstract. The classical Arrow-Debreu model of market economy is introduced along with the concept of a competitive equilibrium. Is it observed that truly competitive behavior may be realized only for a continuous (atomless) model a la Aumann and may be realized as the limit of large, finite economies.

13-00 - 14-00 **Yevgenia Apartsin,**  
Weizmann Institute of Sciences, Rehovot  
**Observing Concave Utilities by Demand**

Abstract. This talk is about the relation between the observed demand behavior and the underlying (not directly observable) preference ordering of an individual. The issue of concavifiability of the preference ordering (representing of the preference ordering by a concave utility function) is under consideration. We consider both the general case and the case where the preference relation is smooth.