The clinical Psychology program at Baruch Ivcher School of Psychology invites you to a Special Seminar with

Mr. Nitzan Shahar
Psychology Department, Ben-Gurion University
Baruch Ivcher School of Psychology, Interdisciplinary Center (IDC) Herzliya

On:

Monday, December 7th 2015, at 4:30pm
Room PEB20, Ivcher-Tiomkin building

Decision Mechanisms Underlying the Ability to Take Action: Mathematical Modeling, and Relevance to ADHD and OCD.

The ability to control and direct actions is relevant to everyday life, as well as to psychiatric disorders such as ADHD and OCD. In the current talk, I will explore the role of action control in decision making. I will first present empirical findings regarding the influence of procedural working memory in perceptual decision tasks. Using evidence accumulation modeling, I will suggest that a constant rate of action rules retrieval from working memory allows the selection and direction of action. I will next present results of clinical studies showing the role of action control in OCD and ADHD using the aforementioned decision model. I will argue that in ADHD, action control takes an important role in affecting decision-making performance, and might underlie the subjective experience of attention lapses. However, in OCD, modeling results suggests that control processes might take a much smaller role than previously claimed.

You are invited!