הסמינר miał להתקיים ב- יום ראשון, 09.06.09, בשעה 12:45, באודיטוריום (A206), בניין איריסון-לאדר, קמפוס המרכז הבינתחומי הרצליה.

הרצאתה ת(mapped final)leccion תוקה: גאודיטוריםعط prueba קאפומ (A206), בניין איריסון-לאדר, קמפוס המרכז הבינתחומי הרצליה

"פעולה רצוונית ואפתיה: התנהגות, מנגנונים מוחיים ושלキャラקטרואית"
Invitation to the New School of Psychology's School Seminar

A lecture by:

Dr. Son Preminger
Weizmann Institute

On

Self-initiated motivated action and apathy: behavior, neural mechanisms and rehabilitation

Sunday, 14 June 2009, 12:45 p.m., Atara Kaufman auditorium (A206)
Arison - Lauder Building

One of the fundamental qualities of the human self is the ability to self-initiate purposeful actions. Impairments in self-initiated motivated behavior (SIMB) are often demonstrated after brain damage and in various mental and neurological diseases. Despite the prevalence of these impairments, the neural mechanisms underlying SIMB are still not well understood, and assessment and rehabilitation methods are scarce. In this talk I will present some of our preliminary studies aiming at investigating the neural mechanisms involved in SIMB, and our initial attempts at developing methods for rehabilitation of SIMB impairments. First I will present two fMRI studies pointing to a network of brain regions involved in self-driven behavior and mental imagery, including medial prefrontal, dorso-lateral and intra-parietal regions. The first study involves a novel paradigm, a simple computer game, which we designed to simulate SIMB. The second study investigates brain activity in self-driven mental imagery. Next I will describe our initial attempts to develop behavioral as well as neurofeedback-based methods for SIMB rehabilitation. I will wrap up with describing a rehabilitation initiative in Yad Sara rehabilitation center in Ra'anana, where I am running a theater improvisation course to brain injured people as a means for cognitive rehabilitation.