

Max Wertheimer Minerva Center for Cognitive Processes and Human Performance
Head of Center: Prof. Ruth Kimchi ראש המרכז : פרופ' רות קמחי

מרכז מינרבה ע"ש מקס-ורטהיימר לתהליכים קוגניטיביים וביצועי אנוש
סמינר החוג לפסיכולוגיה, אוניברסיטת חיפה (SNAC)

שמחים לארח את

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Selective attention, capacity limitations, and action control

Traditionally, selective attention is thought to emerge due to capacity limitations of the human information processing system. Only part of the available environmental information can be selected for conscious perception. Complementary to this perspective, attention is (also) to be involved in action control. Humans and other primates select at one time only a part of the accessible environmental information for their current action. For instance, sitting in a beer garden at a nice summer day and picking up a mug of beer among other mugs implies the process of searching for the intended mug (e.g., by looking at it) and delivering its task-relevant sensory information (e.g., position of the mug relative to the arm, its size, etc.) to the sensorimotor control system. My talk will review research from the last 20 years that investigated links between selection-for-perception and selection-for-action (saccades, arm movements). Empirical support for the guideline hypothesis that both selection processes are coupled to a common target object via one common attentional mechanism will be presented.

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נשמח לראותכם בין אורחינו

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