

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

אנו שמחים לארח את

**Prof. Marlene Behrmann  
Carnegie Mellon University**

## *Complementary neural representations for faces and words*

A key issue that continues to generate controversy concerns the nature of the psychological, computational and neural mechanisms that support the visual recognition of objects such as faces and words. While some researchers claim that visual recognition is accomplished by category-specific modules dedicated to processing distinct object classes, other researchers have argued for a more distributed system with only partially specialized cortical regions. Considerable evidence from both functional neuroimaging and neuropsychology would seem to favor the modular view, and yet close examination of those data reveal rather graded patterns of specialization that support a more distributed account. This talk presents empirical data that explores a theoretical middle ground in which the functional specialization of brain regions arises from general principles and constraints on neural representation and learning that operate throughout cortex but that nonetheless have distinct implications for different classes of stimuli.

ההרצאה תתקיים ביום א', 10 באפריל 2011, בשעה 12:00  
בחדר ההרצאות במעמק"ה, הבניין הרב תכליתי, אוניברסיטת חיפה.

נשמח לראותכם בין אורחינו

המעוניינים באישור כניסה לרכב לאוניברסיטה - אנא שלחו מייל בהקדם לרינת גיל:

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