



University of Haifa



Minerva Stiftung Gesellschaft  
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Technion

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## The Max-Wertheimer Minerva Center for Cognitive Processes and Human Performance

אנו שמחים לארח את

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הנמצאת כעת בטכניון באמצעות מלגת מינרבה  
(במקור מהמחלקה לפסיכולוגיה קוגניטיבית, באוניברסיטת ווירצבורג)

ההרצאה תהיה בנושא:

### *Parallel activity of task sets - evidence from subliminal priming in task switching*

In a typical task switching setting participants are asked to switch between two tasks, like the categorization of a digit as being either smaller or larger than 5 or as odd or even. There are quite different accounts what really happens while switching between tasks that can be ordered according to the assumption whether the currently irrelevant task is completely or only partially deactivated. Therefore, the question arises whether two task sets are active in parallel in a task switching setting. Evidence for a parallel activation of task sets due to target congruency effects is discussed. However there are also arguments to doubt the validity of target congruency effects to answer the question of parallel activity of task sets.

A new possibility, the investigation of congruency effects resulting from subliminal primes is proposed and examined. As there is a prime congruency effect according to the currently irrelevant task set, it is concluded that the irrelevant task set remains active while switching between tasks showing a parallel activity of tasks.

ההרצאה תינתן בשפה האנגלית  
ותתקיים ביום ה' ה' 13 למרץ 2003 בשעה 12:30  
בחדר סמינרים במרכז לבטיחות ועבודה בהנדסת אנוש בטכניון.  
נשמח לראותכם בין אורחנו.



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