Research Center for Work Safety and Human Engineering מרכז מחקר לבטיחות בעבודה והנדסת אנוש מיסודה ובתמיכתה של הועדה לפעולה מונעת Founded and supported by the Committee for Research & Prevention in Occupational Safety & Health ומחקר בבריאות בעבודה טכניון, חיפה 32000, ישראל Technion, Haifa 32000 Israel Fax: (04)8226-783 Telephone: (04)8292-225

פקס: (04)8292-225: טלפון (04)8226-783

אנו שמחים לארח את

## פרופי מיכאל קובובי

## University of Virginia, Charlottesville

: להרצאה בנושא

## On the Lawfulness of Grouping by Proximity

The visual system groups close things together. Previous studies of grouping by proximity have failed to measure grouping strength or to assess the effect of configuration. We do both. We reanalyze data from an experiment by Kubovy and Wagemans (1995) in which they briefly presented multi-stable dot patterns that can be perceptually organized into alternative collections of parallel strips of dots, and in which they parametrically varied the distances between dots and the angles between alternative organizations. Our analysis shows that relative strength of grouping into strips of dots of a particular orientation approximates a decreasing exponential function of the relative distance between dots in that orientation. The configural or wholistic properties that were varied such as angular separations of the alternative.

12:00 ההרצאה תתקיים ביום הי13 למאי בחדר הסמינרים במרכז מחקר לבטיחות בעבודה והנדסת אנוש, בטכניון (בניין גוטוירט – עייי החממה התעשייתית).