

## סמינר - SEMINAR

הנדך מוזמנות להרצאה סמינריונית של הפקולטה להנדסת מכונות, שתתקיים ביום ג' 9.01.2018 (כ"ב בטבת, תשע"ח), בבניין דן קאהן, אודיטוריום 1, 12:30.

מרצה:

**Assoc. Prof. Reuven Katz**  
Faculty of Mechanical Engineering  
Technion

על הנושא:

# Measuring Simplicity in Mechanical Design

The seminar will be given in Hebrew

להלן תקציר ההרצאה:

Mechanical designers strive to design a functional product and create a simple design that will reduce product's cost and increase its reliability. The background and the terminology used in the design literature will be explained. The study presents an experimental method for measuring the simplicity of a mechanical design. It also presents a quantitative metric for evaluating the simplicity of product design based on quantifiable design parameters. The simplicity metric was developed using experts' evaluations of functionally equivalent products. The dominant parameter for predicting experts' simplicity rating is the number of features required to fully define the examined CAD model. This parameter is highly correlated with two additional measured design parameters: number of parts and number of interfaces.

בברכה,

פרופ' א"מ אתיו סאס

מרכז הסמינרים