

הטכניון – מכון טכנולוגי לישראל
הפקולטה להנדסת מכונות



Mechanical Engineering Seminar - סמינר בהנדסת מכונות

TECHNION – Israel Institute of Technology
Faculty of Mechanical Engineering

סמינר בביומכניקה - Biomechanics Seminar

The Israel Pollack Distinguished Lecture Series 2012

הנדך מוזמן/ת לסמינר המשותף לביומכניקה ולפקולטה להנדסת מכונות, שיתקיים ביום ד' 8.02.12 (ט"ו בשבט, תשע"ב), בשעה 13:30, באודיטוריום חדר 250 בבניין לידי-דייויס.

ירצה:

Professor Charles R. Steele
Stanford University, U.S.A

על הנושא:

The role of shell stability in plant growth

להלן תקציר ההרצאה:

The idea that biological problems can find answers in the realm of physics or mechanics was wide spread in the 19th century, particularly in Germany, where botanists such as Julius Sachs devoted large fractions of their textbooks to descriptions of the role of mechanical factors in plant growth (Sachs 1887). In the 20th century the idea was once more popularized by the publication of D'Arcy W. Thompson's "On Growth and Form" (Thompson 1942). Unfortunately, little progress was made since these early works. This is especially true of the analysis of the processes that regulate growth and form in plants (i.e. plant morphogenesis). Although most biologists would recognize the importance of biophysical factors in plant morphogenesis, much work remains to be done to elucidate the role of these factors. This presentation covers some aspects of an engineering approach to the problem of cellular morphogenesis.

בברכה,

המארח: פרופ' ח עודד גוטליב

ד"ר אריאל
מרכז הסמינרים