



הטכניון – מכון טכנולוגי לישראל
הפקולטה להנדסת מכונות



The Technion Autonomous Systems Program

TECHNION – Israel Institute of Technology
Faculty of Mechanical Engineering

התוכנית למערכות אוטונומיות ורובוטיקה

סמינר - SEMINAR

הנדך מוזמן/ת לסמינר משותף לפקולטה להנדסת מכונות ולתוכנית הטכניון במערכות אוטונומיות, שיתקיים ביום ב' 12.09.16 (ט' באלול, תשע"ו), בבניין דן-קאהן, קומה 0, אודיטוריום 1, 14:30.

ירצה: דותן שמבי

מנחה: פרופ' ח ראובן כץ

מנחה שותף: ד"ר ארנון גילן, רפא"ל

על הנושא:

Electrical System Engineering for a Small Autonomous Underwater Vehicle

The seminar will be given in Hebrew

להלן תקציר ההרצאה:

The Technion - Israel Institute of Technology – has decided to join some of the leading academic institutes in the world and develop an Autonomous Underwater Vehicle (AUV). Development of such AUV is a lengthy, challenging process and involves many disciplines: electrical, mechanical, software, control, navigation, algorithms, hydrodynamics etc.

In order to coordinate such a complex development process a dedicated person shall be appointed. This person is responsible to produce a solution for customer needs in all product life cycle and is called – System Engineer. System engineering is a procedural discipline which conduct the development process that is made of: defining the functional requirements, manage the development, manufacturing, maintenance, operation and disposable processes.

In complex systems (such as AUVs) which involves high level of electrical, mechanical and software developments a system engineer is essential in each major discipline of the project, in order to pay attention for its detailed processes and design.

The electrical system engineer is responsible to derive electrical / electronic specifications from the functional requirements, conduct and control the development process, design the integration, test & evaluation processes and system trials.

The presentation will focus on the procedural aspects of electrical / electronic system engineering for AUV as well as its detailed design and-integration.

בברכה,

פרופ' ח ראובן כץ

מרכז הסמינרים