



**Wolfson Department of Chemical Engineering Seminar
Lecture Hall 6, Wolfson Department of Chemical Engineering,
Wednesday November 8th at 1:30pm**

Yoram Ilan-Lipovsky and Shlomo Alkahr

Ilan Advanced Technologies and Elbit Systems Aerospace

HyDrop™ - Aerial Firefighting System

HyDrop™ - A revolutionary system for Aerial Firefighting from significant high Altitude, Day, Night and degraded visibility. The system is based on dropping flexible pellets, from Fix or Rotary Wing Aircraft, while flying straight and Level. The amazing accuracy of the system both in day release and night release is achieved, among other things, by a dedicated computer system developed by Elbit-Systems engineers for this project.

HyDrop™ is an advanced delivery system that can be used for various applications. During the meeting we will describe how the idea was born, the first experiments to examine the applicability of the idea, the process of transition from technological ideas to operational system and the construction of the prototype. We will describe, the technical challenges and the process to overcoming them, the suitability for different planes and helicopters, and the marketing efforts in Israel and around the world. Special emphasis will be placed on brainstorming with the participants in order to find additional applications and uses of the system, and to examine and possible registration of additional patents with Technion scientists.

Refreshments will be served at 1:15pm