

## Technion Students win 3<sup>rd</sup> place in the International Unmanned Air Systems Competition SUAS2017

June 2017: A Technion student team including students from the Faculty of Electrical Engineering was awarded 3<sup>rd</sup> place in the Student Unmanned Aerial Systems (SUAS) competition which took place in Maryland, USA.



This is the fourth time in a row that Technion students are placed among the five leading teams in the competition, this year competing with 59 international teams.

This achievement summarizes an intensive year during which the team self-developed and demonstrated a system that performs autonomous take-off and landing, autonomous navigation, automatic detection and classification of targets, aerial cargo delivery, obstacle avoidance, communication etc. The Technion team built two identical aircrafts which were installed with advanced systems including: stabilized camera, airborne computers for control and image processing, communication systems and more.

The project team included students from the Faculty of Aerospace and Aeronautics (AE) and the Andrew & Erna Faculty of Electrical Engineering (EE), with support of advisors and laboratories from both faculties.



Main project supervisor: Dr. Dror Artzi (AE)

AE student team: Adi Toporek (team leader), Jason Benchetrit, Imri Tzror, Daniel Joseph, Sigalit Grinberg, Janna Bruner, Max Solovey, Haim Elya Brod, Emmanuel Bensoussan, Alexander Shender, Shani Bajayo

EE student team: Eyal Genis (team leader), Roi Yehudai, Ohad Markus, Ofir Milul, Dan Ben-David, Netanel Ibn-Danan, Aviv Hasson

AE advisors: Yevgeni Gutnik, Dolav Saimon

EE labs involved:

[Vision and Image Sciences Lab \(VISL\)](#)

[Communications Lab \(CommLab\)](#)

[Control Robotics and Machine Learning Lab \(CRML\)](#)

EE advisors:

Johanan Erez (VISL), Ron Amit (VISL), Koby Kohai (CRML), Alex Hodison (CommLab), Denis Dikarov (CommLab), Ben-Zion Joselson (CommLab), Amit Aides (VISL)

Links:

[Official competition website](#)

[Journal Paper](#)

[YNET DIGITAL](#) (Hebrew)

[Facebook](#)

Videos:

[Promotional video 2016](#)

[Promotional video 2017](#)

[Flight Readiness Review 2017](#)