

# Welcome and greetings to ABMES!



Faculty of Education  
in Science & Technology

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# Technion Faculty of Education in Science and Technology



Faculty Members	13
Undergraduate students	372
Tracks	8
MA students	41
PhD	35
In-service teachers	~500

The only faculty in Israeli universities which has engineering education programs.

# ***VEWS* program**

Tuition scholarship for Technion graduates and students for studies of education.

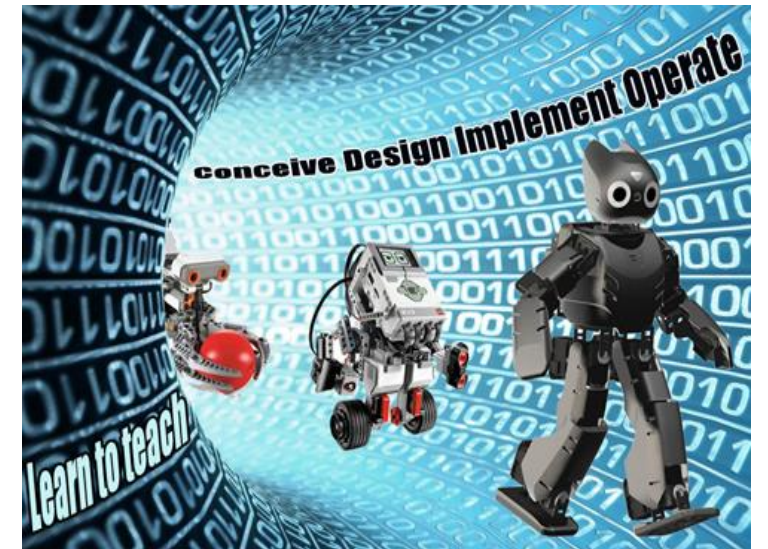
## Everyone wins:

- Technion makes a social contribution and gains better-educated future students.
- Technion graduates acquire an additional profession.
- High-tech industry gains personnel literate in education.
- Schools and colleges get teachers with strong content knowledge and real life experience.
- Our faculty has higher social impact and more students.

# Center for Robotics and Digital Technology Education

<http://edu-tech.net.technion.ac.il>

- Established in 2014 with support of PTC
- Mission: develop new initiatives with participation of Technion students majoring in engineering education.
- Research direction: Education for Industry 4.0.
  - Robotics in STEM.
  - Learning with learning and communicating robots.
  - Learning through 3D modeling in VR and AR.
  - Reverse engineering and making in design education.



# Some notable activities of CRDTE

- Teacher education and outreach courses. The Reali Haifa school team won the FRC 2016 Rookie All Star Award.
- Laboratory workshops, and Makerthons at the Technion and at the Haifa Technology Education Center.
- International and national research seminars.
- Workshops for teachers, engineering students and school students from U.S., Canada, China, and Israel.
- Internships of engineering undergraduates from MIT.
- Robot teleoperation workshops for Technion and school students.
- An educational R&D project supported by PTC corp.



# Presentation of RoboWaiter project to President Obama

Presenters: school students and Prof. Verner. Israel Museum, Jerusalem



# Workshop: “Meet smart robotics and digital making”

Technion-Cornell Institute, NYC, July 11-12, 2018



Participants: teachers and high school students involved in the NYC FIRST robotics.



# Laboratory of Cognitive Robotics

