

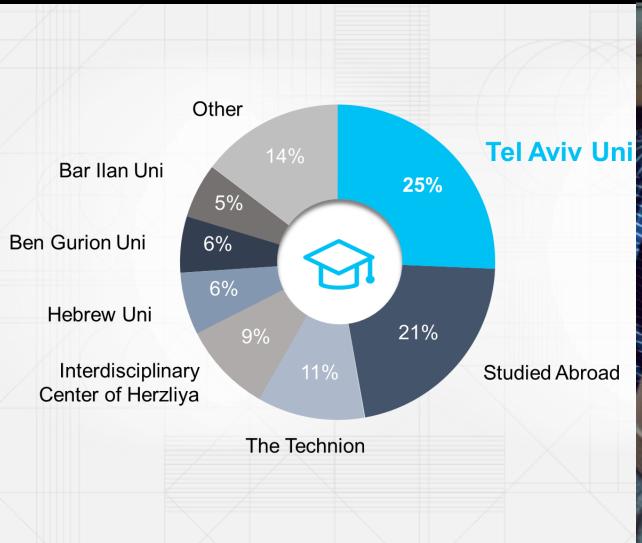
Tel Aviv-2nd Most innovative City (after SF)







Tel Aviv University – 25 % of Israeli Startups







Tel Aviv University: Facts and Figures

Ahoice of students and employers in Israel Established 1956

150,000 Alumni

1,000 Senior faculty

30,000 Students, of whom 40% are

at the graduate level

400 Laboratories

3,500 Research projects annually

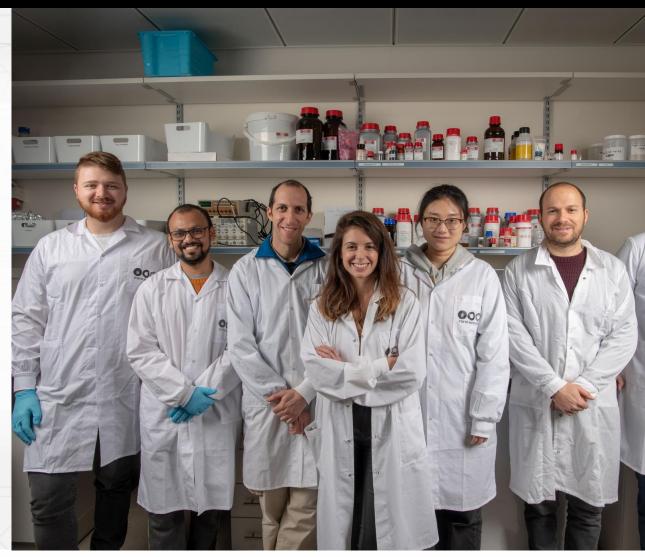
200 Acre campus





••• Faculty of Engineering: Facts and Figures

4500	Students
1500	Graduate students
123	Faculty members
\$ 300	Million VC funding raised by faculty members
13,000	Alumni
100%	Alumni Recruitment
35	Industrial Affiliate Partners



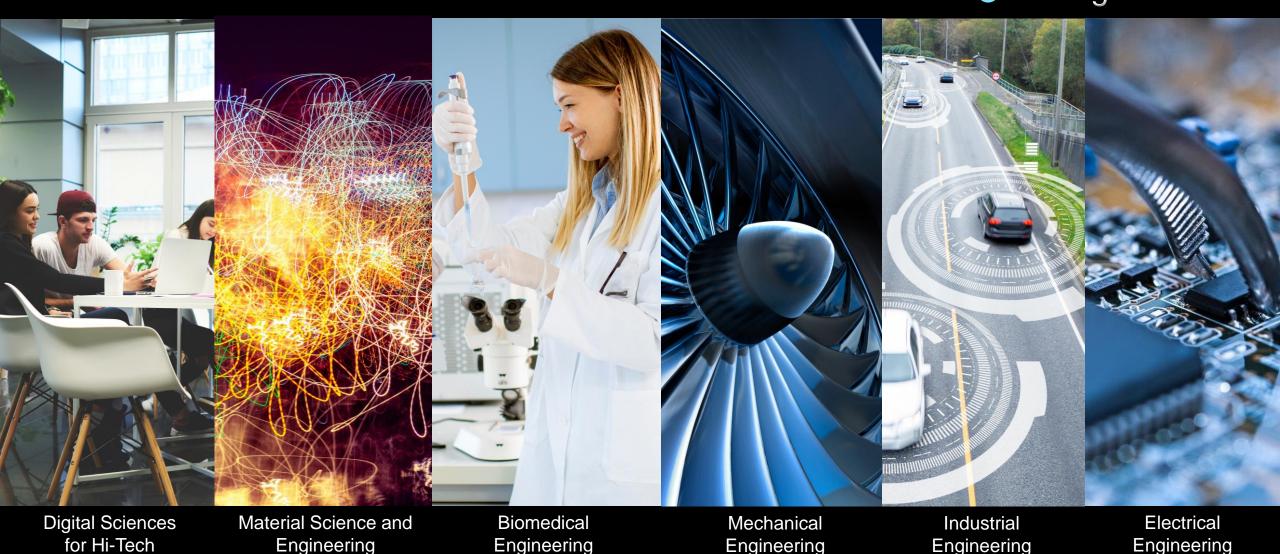


Six academic units

Engineering

3000 undergraduates 1500 graduates

Engineering



Engineering

Engineering



Research Priorities - Faculty of Engineering





Innovation Leadership

Startup Genome

https://bit.ly/3oJIKTs

Top 15 Universities producing highest count of founders

The University of Texas at Austin	925.8
University of Cambridge	997.3
University of Southern California	936.0
Carnegie Mellon University	938.9
Stanford Graduate School of Business	985.5
Columbia University	1004.4
University of Pennsylvania	1065.6
Wharton School of the University of	1087.4
Cornell University	1183.5
Tel Aviv University	1335.8
Harvard University	1653,7
Harvard Business School	1748.3
University of California, Berkeley	1991.4
Massachusetts Institute of Technology	2286.9
Stanford University	3342.3

Stanford University is leading here too with 2000+ founder degrees.

4	# PitchBook		
	2	<u>Cal</u>	University of California, Berkeley
	3	H	Harvard University
	4	Plif	Massachusetts Institute of Technology (MIT)
	5	PENN	University of Pennsylvania
	6		Cornell University
١,	7		University of Michigan
	8	TI, ANY UNIVERSITY	Tel Aviv University
ľ	9	*	University of Texas
	10	\mathbf{Y}	Yale University
	11	<u>ninnöis</u>	University of Illinois
	12	¥	Technion - Israel Institute of Technology
	13	-	Princeton University
	14	Ucla	University of California, Los Angeles (UCLA)
	15		Columbia University
	16	W.	University of Wisconsin
	17	<u> </u>	Brown University

TAU #8th in World for Entrepreneurship

https://bit.ly/3GHQcnf



Israel turns 70 - the leading inventions (@TAU)

Iron Dome Developed by Danny Gold



USB flash drive Developed by Prof. Simon Litsyn



Waze

Founded and developed by Ehud Shabtai & Co-Founder Uri Levine



Check Point Software Founded by Gil shwed





Developed by our Faculty



High capacity flash memories
Prof. Simon Litsyn



Cellphone lenses with extended depth of focus Prof. David Mendlovic



Al tool that helps retailers uncover and fix the costliest execution problems in stores Prof. Irad Ben Gal



A global cybersecurity leader Prof. Avishai Wool



Protecting airplanes
against heat seeking missiles
Prof. Ady Arie



Signal processing for flash memories

Prof. Ehud Weinstein



Barcode scanners
Prof. Emanuel Marom



Tel Aviv University: Innovation Leadership

Innovation









Internal







External



TAU Innovation Labs - About



- Tel Aviv University is launching the Center for Innovation Laboratories, which will focus on the development of groundbreaking research with potential applicability in the next 3-7 years.
- The selection of research topics will be carried out in consultation with industry and public bodies (e.g. hospitals) who will expose the researchers to their actual needs and pains.
- The center's financial approach is based on the industry taking on a significant part of the funding of the research, out of foresight and in a format that involves "club membership" that confers product development rights.
- Unconventional thinking when it comes to IP rights: Under the new model, all donors supporting the research will receive the rights to use the products of the research.



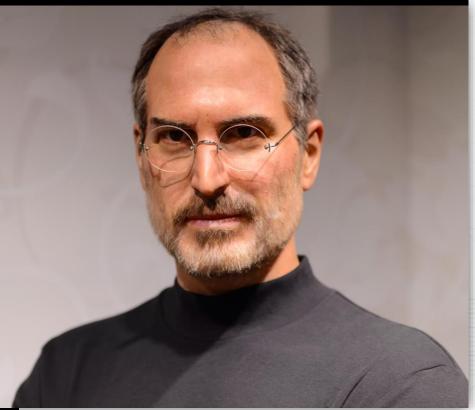
Thinking out of the box- Crazy Research

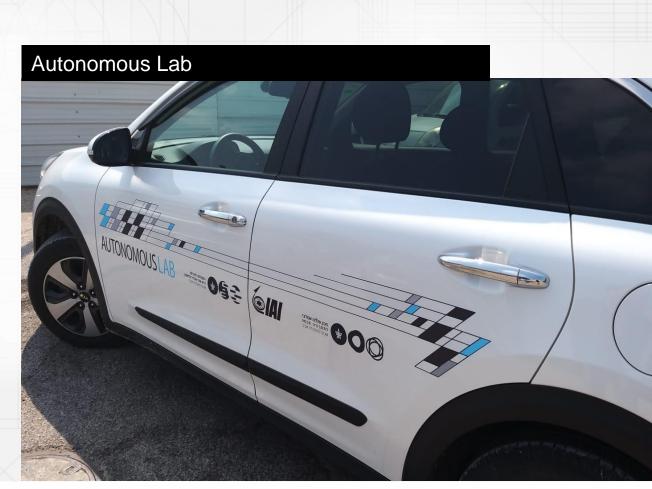
- Stochastic thermodynamics applied to cancer Dr. Gili Bisker
- The role of mechanics in the emergence of plant roots systems Dr. Ayelet Lesman
- Electric propulsion with high efficiency without any moving parts Prof. Avi Seifert
- Nanobotanics and metamaterials Prof. Pavel Ginzburg
- Novel jellyfish-based materials Prof. Shachar Richter
- A robotic model for Autism Spectrum Disorder Dr. Goren Gordon
- Moth-inspired odor-mediated navigation in turbulent flows Prof. Alex Liberzon & Dr. Gregory Zilman
- Cooling with light Prof. Koby Scheuer
- Listening to plants and asking them how they feel Prof. Yossi Shacham



Engineering & Liberal arts

Steve Jobs: "It is in Apple's DNA that technology alone is not enough - it's technology married with liberal arts, married with the humanities, that yields us the results that make our heart sing."







TAU SAT1



The first nanosatellite designed, built and tested independently in academia in Israel." TAU-SAT1 is a research satellite, and will conduct several experiments while in orbit. Among other things, Tel Aviv University's satellite will measure cosmic radiation in space



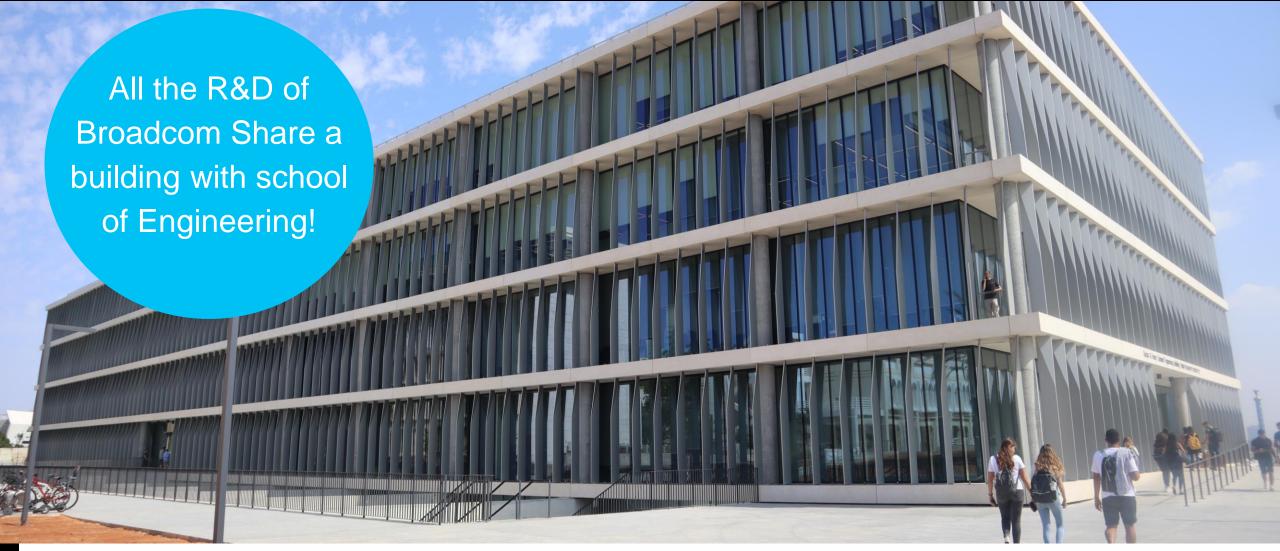
••• Research in Universities or Industry?

- In some fields industry is leading
- Teaching helps research
- Basic engineering research is essential
- Collaborate with industry!





Faculty of Engineering Samueli Broadcom Building





Faculty of Engineering – Start Up Companies Building

An 11 Stories building will house School of Engineering and university originated startups!





Hope to see you soon in Tel Aviv



