ISRAEL LEADS THE PACK IN COMPUTER SCIENCE

Researchers in Israel blaze new trails for the machines at the centre of our lives

Between 1996 and 2021, Israeli computer scientists published 54,350 papers, according to data from the Scimago ranking website. On average, each of these papers was cited 20.57 times. **That puts Israel in fourth place in the world** in citations per document among the 50 countries that published the most computer science papers in this span. In some categories, Israel ranks even higher. Here, we explore the strengths of computer science research at higher education institutions in Israel.
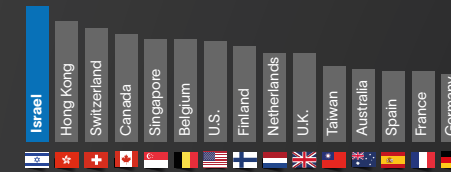
30 AZRIELI FELLOWS

Computer science is well represented within the Azrieli Fellows Program, which has supported more than 30 computer scientists since its inception in 2007.

9 GÖDEL PRIZES

Over the past decade, nine Israeli-trained scientists have won the Gödel Prize, demonstrating the high quality of Israeli computer science research.

1ST IN THE WORLD — ARTIFICIAL INTELLIGENCE

The simulation of human intelligence processes by machines

Bar chart (countries): Israel, Hong Kong, Switzerland, Canada, Singapore, Belgium, U.S., Finland, Netherlands, U.K., Taiwan, Australia, Spain, France, Germany

HARDWARE AND ARCHITECTURE

The design and operational structure of systems

2ND IN THE WORLD

Bar chart (countries): Switzerland, Israel, U.S., Hong Kong, Australia, Denmark, Netherlands, U.K., Sweden, Italy, Belgium, Austria, Finland, Singapore, Ireland

3RD IN THE WORLD — SOFTWARE

The development, design and maintenance of programs and other operating information

Bar chart (countries): Switzerland, Hong Kong, Israel, U.S., Belgium, Singapore, Canada, Netherlands, U.K., Australia, Denmark, Finland, France, Turkey, Germany

4TH IN THE WORLD — COMPUTER NETWORKS AND COMMUNICATION

Managing interconnected systems of computers

Bar chart (countries): U.S., Switzerland, Hong Kong, Israel, Canada, Singapore, Finland, Australia, U.K., Netherlands, Belgium, Sweden, Italy, Denmark, Austria

TOP 100

According to CSRankings, which weighs university departments by their presence in the most prestigious publications, in the past decade four Israeli academic institutions ranked among the **top 100 universities worldwide in all areas of computer science.**
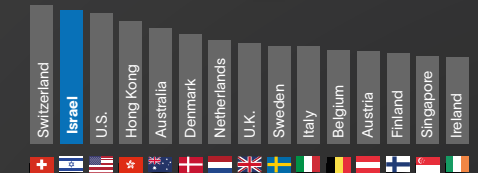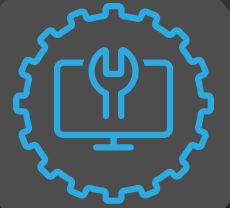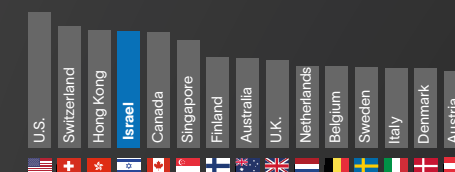
- Technion–Israel Institute of Technology
- Tel Aviv University
- The Hebrew University of Jerusalem
- Bar-Ilan University