Research & Development

- Attend the faculty’s annual “Research Day”.
- Participate in the “Industrial Project” course.
- Receive updates on new courses and graduate research topics.
- Perform joint software projects with the faculty labs*.
- Match partners for joint research proposals to the Chief Scientist and the European Community.
- Interact professionally with faculty researchers.
- Attend departmental colloquia.

Teaching

- Attend faculty seminars, conferences and symposia.
- Offer mini-courses focusing on company technologies.
- Offer guest lectures in academic courses.
- Send company employees to attend academic courses.
- Receive courses given by faculty members to company onsite*.
- Access faculty library.

Human Resources

- Hold company recruitment events.
- Advertise job openings by email to interested students.
- Advertise job openings on the faculty website.
- Advertise job openings on electronic board in CS lobby.
- Employ graduate students for summer internships.
- Send company employees to industrial M.Sc program*.

Public Relations

- Increase company visibility within the faculty - company logo on the “Industrial Affiliates” web page and on a plaque in the faculty lobby.
- Distribute announcements on company events (recruiting days, mini-seminars etc.) to staff and students.
- Advertise company events on electronic board in CS lobby.
- Hold technological exhibitions within faculty.
- Advertise in “Homepage” – faculty’s semi-annual magazine*. 

Software and Algorithms for Genetics

Profs. Dan Geiger and Assaf Schuster, with a team of graduate students, have developed unique software for mapping genes (Superlink Online). The software serves pharmaceutical companies and researchers searching for genes responsible for specific diseases. Once the gene is identified, one can further use the software for developing treatment. The software is in routine use at several hospitals in Israel and worldwide. The research is partially funded by Microsoft’s CTI program.

Algorithmic Issues in Online Advertising

Prof. Seffi Naor, with a number of graduate students, has developed efficient algorithms for maximizing the revenue of search engines through advertisement auctioning. Search companies sell funded ads by initiating a “behind the scenes” auction among the advertisers interested in the keywords submitted by the user. Based on mathematical techniques, the new algorithm selects the advertisers in a manner that improves the guarantees on the resulting revenue. In a fast-growing market such as this, algorithms that improve the allocation of ads, even by a small percentage, may be very valuable.

Senior managers testify on the Industrial Affiliates Program:

“Our academic ties with the Technion CS Faculty provide us with a unique advantage in the form of active interaction with generations of talented minds; professors and students who are passionate about research and innovation and with whom we are happy to share our R&D challenges. The IAP plays a key role in facilitating, cultivating, and expanding the scope and quality of our relations.”

Oded Cohn, Director – IBM Haifa Research Lab

“For Intel, the Technion CS faculty is a source of innovative technological research and a great resource for engineers, who position Intel Israel at the forefront of R&D worldwide. The IAP has proven to be a crucial link in fostering this special relationship.”

Yossi Schenkler, General Manager - Intel Israel Design Centers

Industrial Project – Cooperation between CS students and Hi-tech companies

The “Industrial Project” course provides an opportunity and academic framework for Hi-tech companies to interact with faculty students in the execution of software projects.

“Our supervisors were pleased with the quality of the students, their maturity, their ability to cope with challenging new technologies and their ability to deliver as expected and sometimes even beyond”.

Eyal Toledano , CTO, Samsung Telecom Research (Israel)

“We feel that this cooperation with the faculty contributed to the company as much as the company contributed to the students”.

Etti Glasser, Director of Software Infrastructure, Missile Division, Rafael

“Overall, I enjoyed working with the students in the course. The fact that I was able to participate in selecting the students had a lot to do with that”.

Ronny Lempel , Director, Yahoo! Research (Israel)

* may incur extra charge
The Faculty of Computer Science is the second largest academic unit in the Technion, with approximately 1,300 undergraduate students and more than 200 graduate students. More than 50 faculty members of international repute teach and conduct research in a wide variety of fields. As such, it is the largest department of computer science in Israel and supplies the Israeli Hi-tech industry with human resources of the highest caliber.

Top ten
In its report of May 2008, an international Review Committee concluded that: "The quality of the teaching and research conducted in the Technion's Faculty of Computer Science is comparable to that of the top ten Computer Science departments in the United States".

The Technion's Computer Science Industrial Affiliates Program (IAP) was established in 2001. Its primary objective is to provide a platform for structured interaction between the department and the Israeli and international Hi-tech industry. The program supports a variety of activities and collaborations in the fields of information technology research, development, training and employment. This unique and dynamic platform bridges traditional borders to form win-win relationships, while achieving and maintaining excellence.

As you continue to contribute to the success of Israel's Hi-tech industry, we invite your company to join our Industrial Affiliates Program and contribute also to shaping the future of Israel's computer science research, development and education.