Naming the

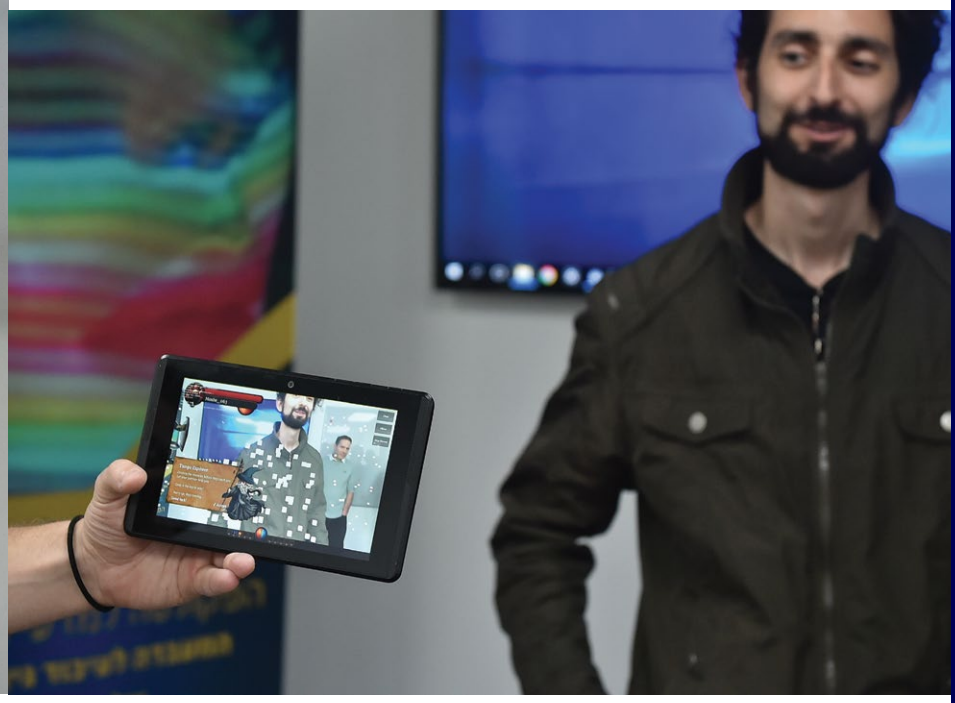
New Computer Science Building

in the Henry and Marilyn Taub Faculty of Computer Science

Architect's rendering of the new Computer Science Building

TECHNION
Israel Institute of Technology


VIVE



Computer Science at the Technion

Israel's booming high-tech industry has been fueled by a workforce trained in computer science, engineering, and other tech-related disciplines. Yet, while Israel is currently enjoying a golden era of technology, analysts have begun to worry that the nation may find itself lagging behind other emerging countries due to a shortage of trained personnel in its rapidly growing high-tech sector.

Computer science has been a mainstay of the Technion's curriculum for more than half a century. Today, the institute is a recognized academic powerhouse in computer science training and research – ranked among the world's leading universities in artificial intelligence, machine learning, cryptography, and other fields.

Israel's Council for Higher Education, projecting a shortage of qualified tech workers in the coming decade, has called upon the Technion to increase enrollment in technology-oriented degree programs. To help achieve this goal over the next ten to fifteen years, the Henry and Marilyn Taub Faculty of Computer Science has formulated a strategy to grow its undergraduate and graduate student bodies by double-digit percentages. This, in turn, requires increasing the Faculty size and adding space to conduct research.

Computer Science Building

BUILT-UP AREA OF
THE NEW BUILDING

75,000 sq. ft.

7,000m^2

3D face recognition system developed in the laboratory of Prof. Ron Kimmel

Over the years, the Faculty has been responsive to national needs, producing graduates who have become leaders in high-tech industry. Since 2010, the total (graduate plus undergraduate) Computer Science student population increased from about 1,300 to 2,245—in a building planned for 1,500 students.

This welcome growth has led to overcrowding and an unacceptably large student-to-faculty ratio. Recruiting and retaining graduate students and faculty members depends on being able to provide them with state-of-the-art facilities in an attractive physical space, particularly given the competition from industry and leading international universities.

Prepared to Address the Challenge

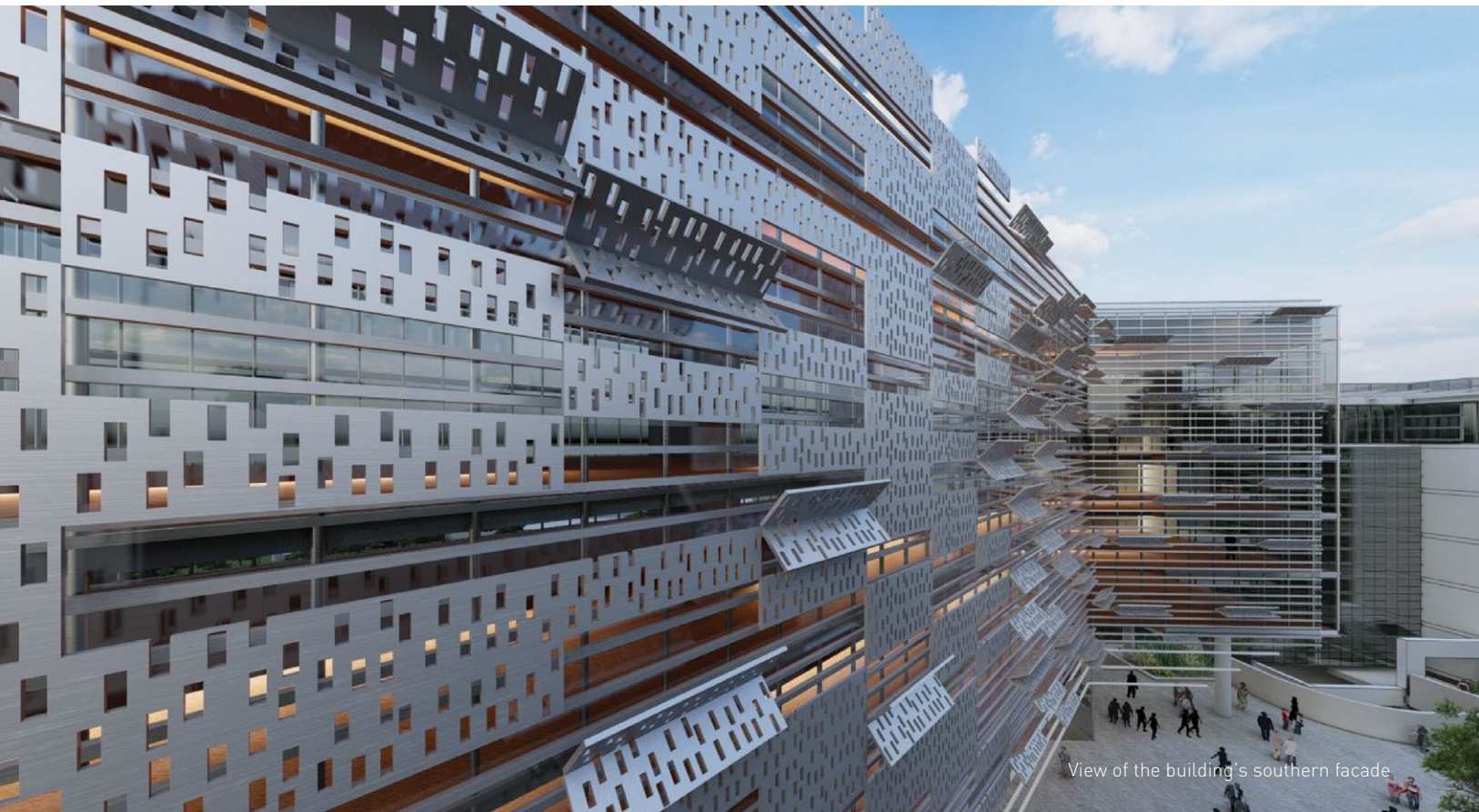
To ensure that the Technion remains a world leader in computer science, the Faculty recognizes the need to attract and retain the best faculty members and expand research activities in both established and emerging fields. It has recently identified and begun to focus on initiatives in the following areas:

- Geometrical image processing and its applications in avionics and medicine
- Augmented reality and virtual reality devices
- New design and fabrication methodologies
- Cyber security
- Artificial intelligence, including machine learning and natural language processing

The above initiatives, together with the increasing number of students, require investment in new facilities for study and research.

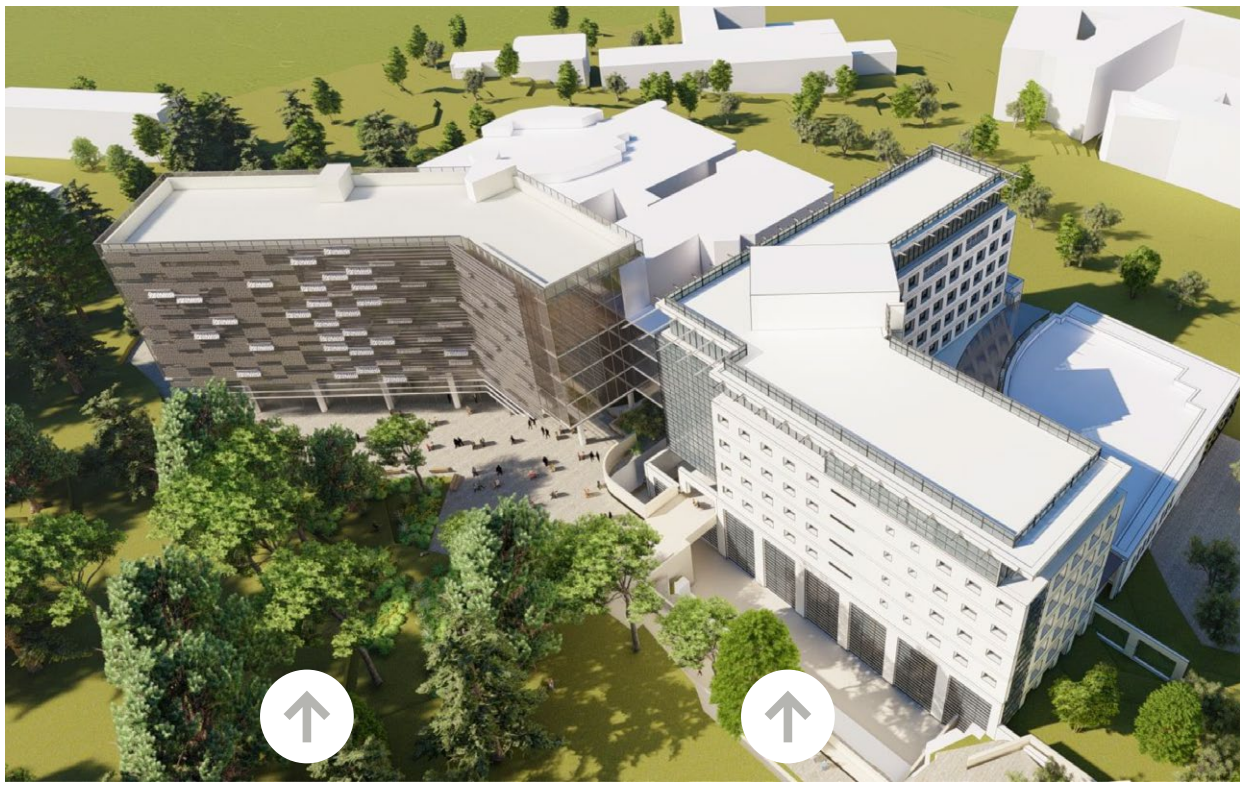
To meet the expansion needs of the Faculty, the Technion will design and construct a 7,000 m^2 (75,000 sq. ft.) building adjacent to the Henry and Marilyn Taub and Family Science and Technology Center. The building will house laboratories, classrooms, seminar and meeting rooms, faculty and researcher offices, study rooms, and underground parking.

The new building will enable the Faculty to grow and continue as a leader in world-class research and education.



View of the building's southern facade

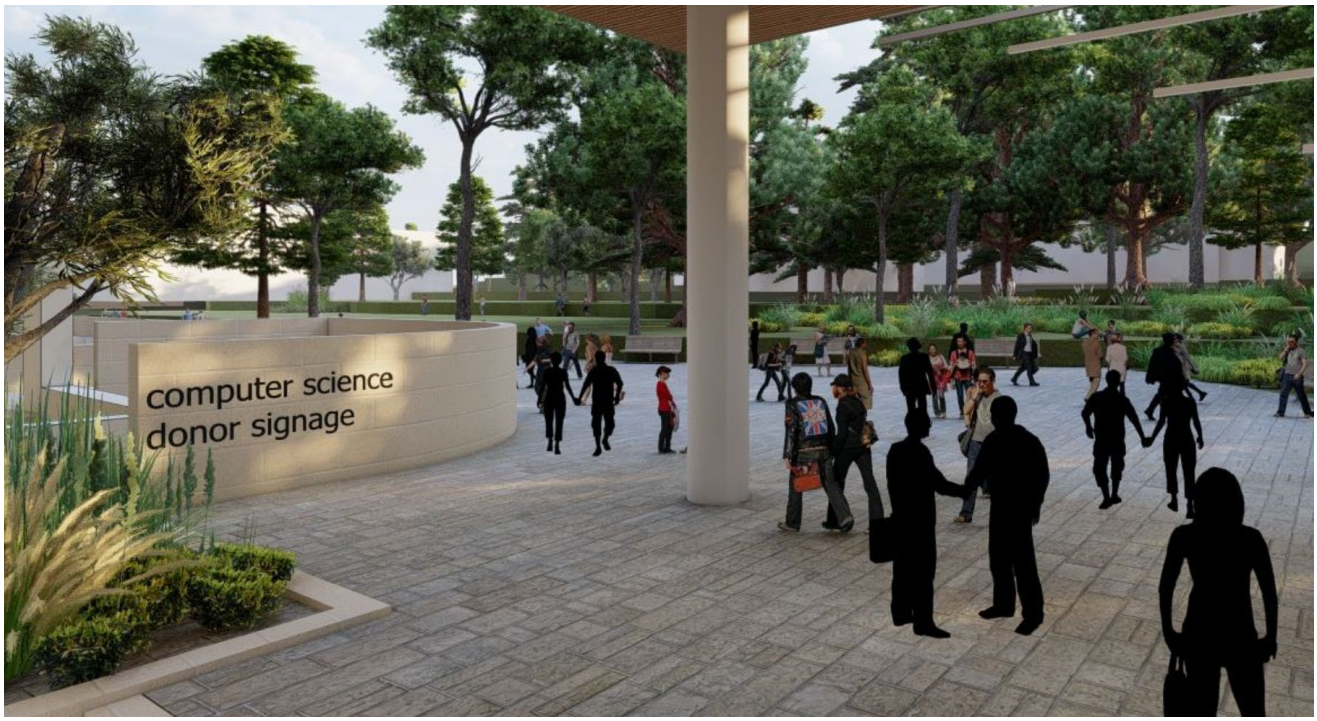
The Henry and Marilyn Taub and Family Science and Technology Center



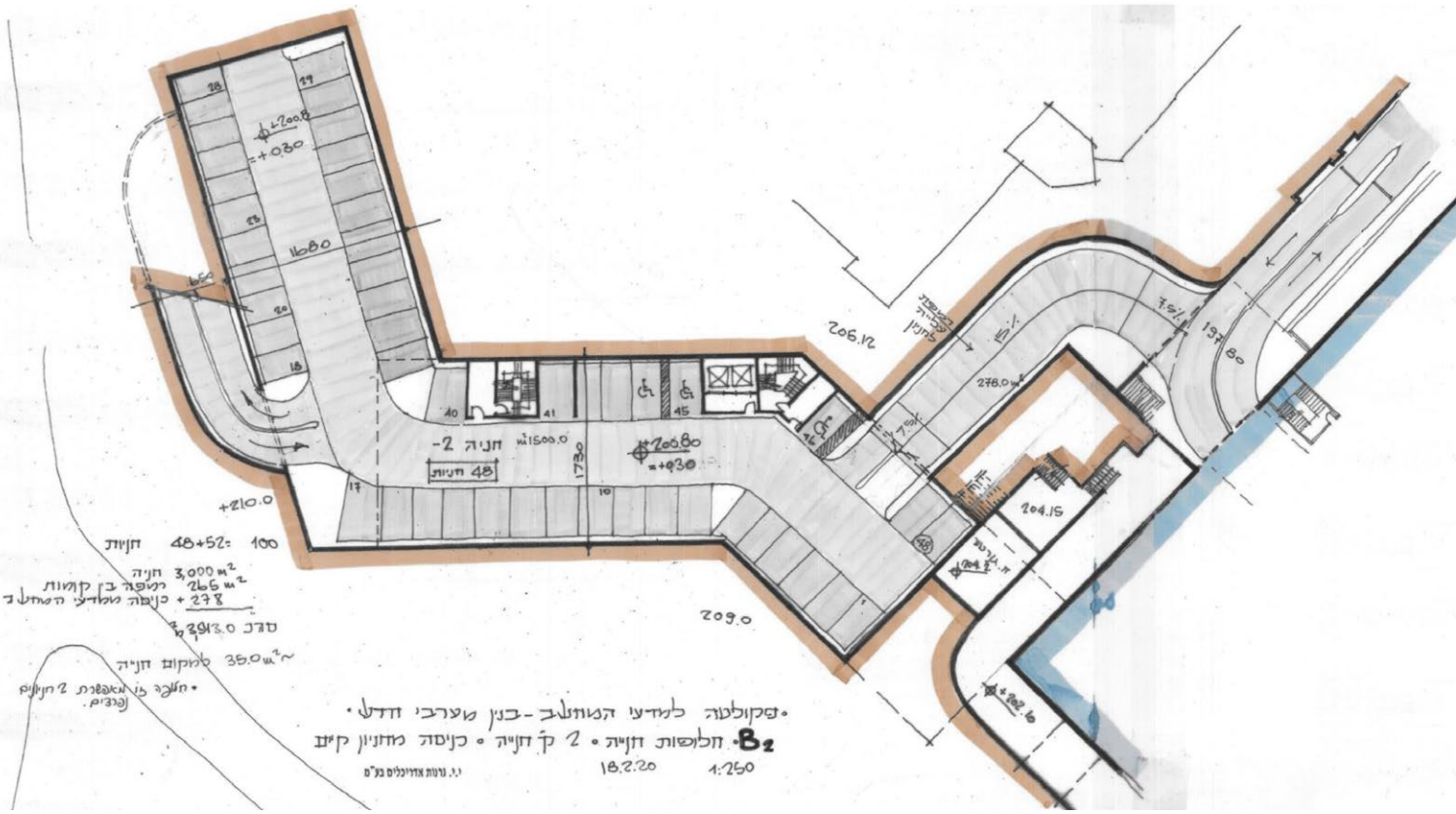
The new Computer Science Building

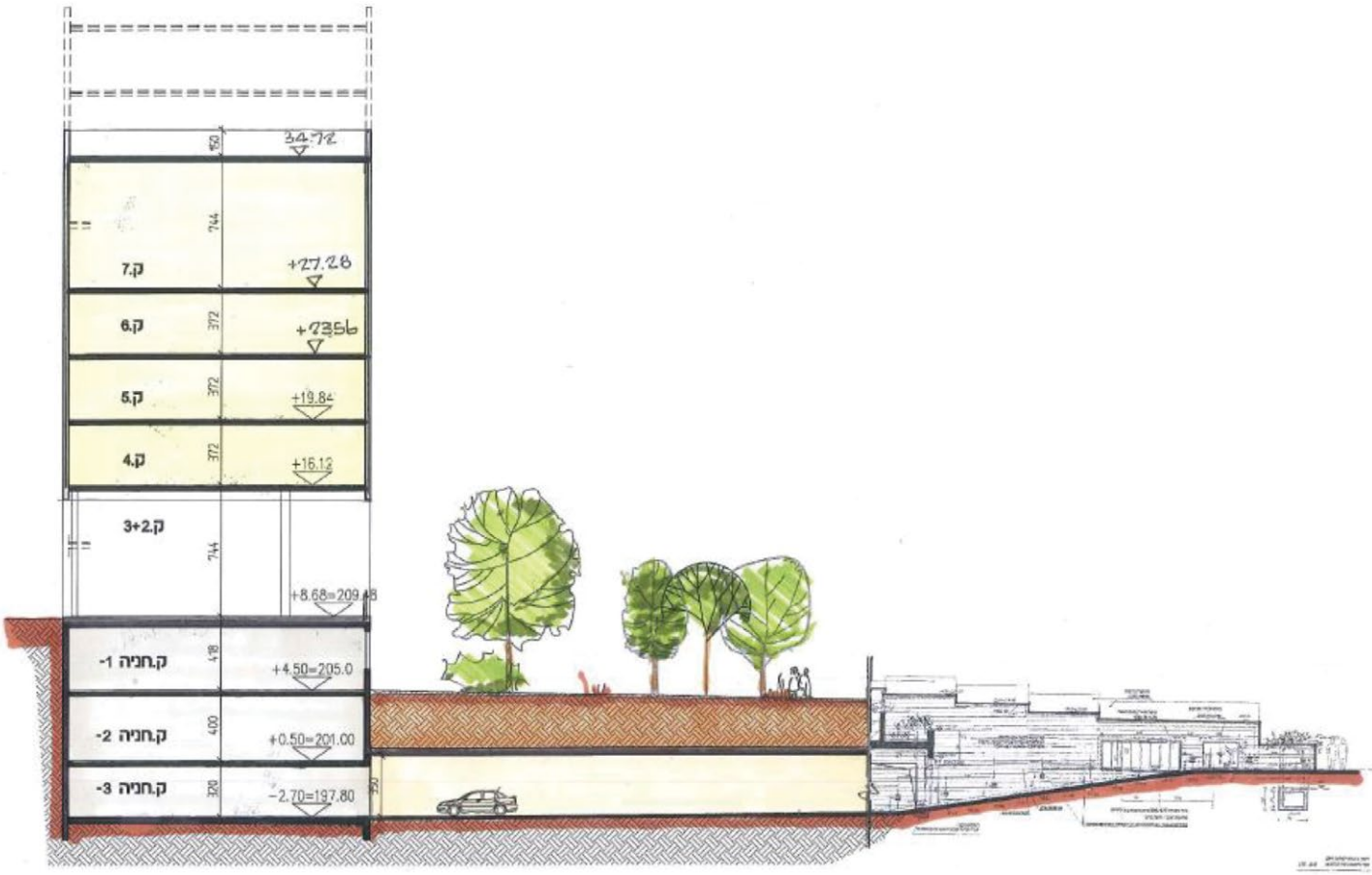
The Henry and Marilyn Taub and Family Science and Technology Center

Entrance to the new Computer Science Building



Proposed plans and cross section of new
Computer Science Building





Northern Facade of the new Computer Science Building

Naming Opportunity

A gift of $30 million will fund and name the new Computer Science Building, including the naming of all facilities within the building.

A gift of $15 million will name the new Computer Science Building; facilities within the building will be offered to other donors for naming.

Donor recognition will be in accordance with Technion standards.

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