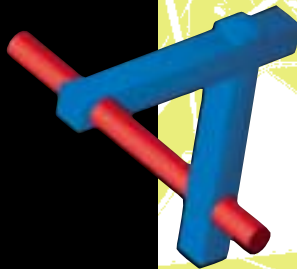
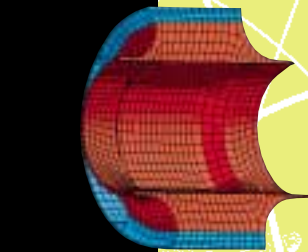


www.cs.technion.ac.il/cggc

THE **C**ENTER FOR **G**RAPHICS AND **G**EOMETRIC **C**OMPUTING

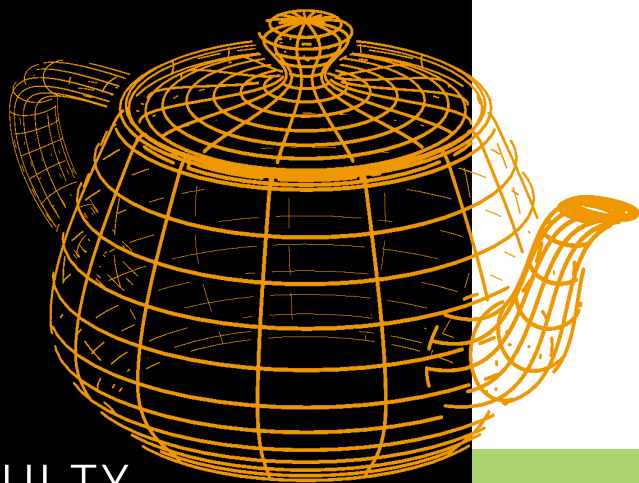


Technion - Israel Institute of Technology
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Faculty of Computer Science
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CGGC FACULTY



Gill, Alla, Craig and Gershon

GILL BAREQUET

(<http://www.cs.technion.ac.il/~barequet/>)

Gill Barequet, (PhD - Tel Aviv University, 1994), has been a member of the Technion's CS faculty since 1998. His main interest is discrete and computational geometry – an area which makes intensive use of theoretical fields, such as combinatorics, graph theory and number theory but also has a wide range of practical applications, such as computer-aided geometric design, solid modeling, computer graphics and medical imaging. Barequet is also interested in geometric computing over the Internet.

GERSHON ELBER

(<http://www.cs.technion.ac.il/~gershon/>)

Gershon Elber, (PhD – University of Utah, 1992), has been a member of the Technion's CS faculty since 1993. His main interests include geometric modeling and computer graphics using freeform geometry. This incorporates computational aspects, direct and non photorealistic rendering, Web-based geometry and visualization, and design and manufacturing.

CRAIG GOTSMAN

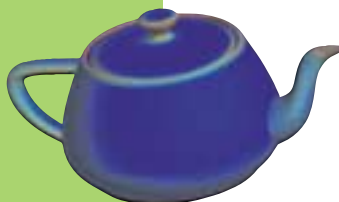
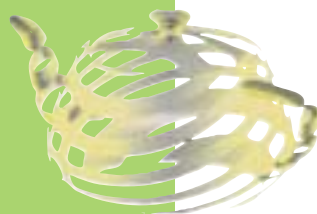
(<http://www.cs.technion.ac.il/~gotsman/>)

Craig Gotsman, (PhD – Hebrew University of Jerusalem, 1991), has been a member of the Technion's CS faculty since 1992. His main interests include computer graphics and Web-based graphics - optimizations for transmission and rendering, parametrization, meshing, morphing, visibility, and animation.

ALLA SHEFFER

(<http://www.cs.technion.ac.il/~sheffa/>)

Alla Sheffer, (PhD – Hebrew University of Jerusalem, 1999), joined the Technion's CS faculty in 2001. Her main interests include geometric modeling and applied computational geometry. The main application areas of her research are computer graphics, scientific computing, computer-aided design, and visualization. Her recent work concentrates on digital geometry processing, and specifically, on mesh parameterization and re-meshing for computer graphics and FEM.



MISSION STATEMENT

The Center for Graphics and Geometric Computing (CGGC) was founded in 2001 with the goal of becoming the hub of computer graphics and geometric modeling in Israel, both on the theoretical and practical levels. The vigorous research being conducted by the CGGC founders, Barequet, Elber, Gotsman and Sheffer, their graduate students and Center affiliates, is at the cutting-edge of academic research, while tuned to industrial trends and needs. The research spans a broad spectrum of disciplines, allowing computer graphics and geometry students coming from different vantage points to converge in a productive and stimulating environment. The Center, based in the Technion's Faculty of Computer Science,

THE TECHNION ISRAEL INSTITUTE OF TECHNOLOGY

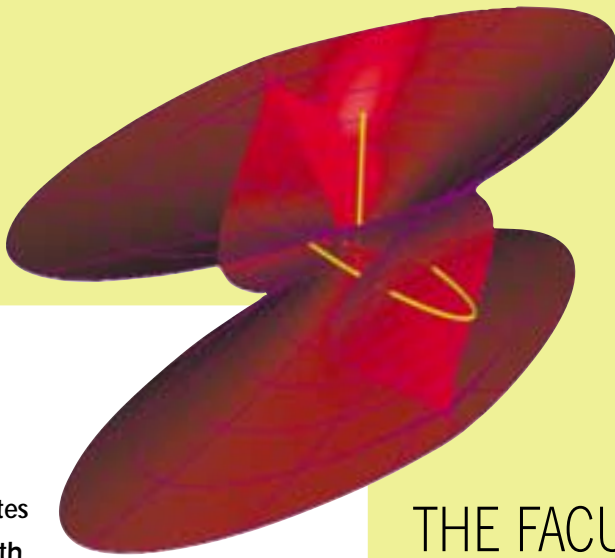
In operation since 1924, the Technion-Israel Institute of Technology is the oldest university in Israel. Since its founding, the institute has educated three generations of men and women who have played a key role in laying the country's infrastructure and establishing its crucial defense and high-tech industries.

When the original campus in central Haifa became too small, a 300-acre site on Mount Carmel was designated for a new campus. In 1953, the Institute began its move to Technion City on Mount Carmel.

The Technion occupies about 1,325,000 square meters and includes 100 buildings. There are about 40 research centers, 11 research institutes and 10 Centers of Excellence. At present there are about 9,214 undergraduate students, 3,479 Graduate Students, 2,851 M.Sc. students and 628 Ph.D. and M.D. students - a total of 12,700 students.

The Technion employs 864 faculty members and 58 companies have spun-off from Technion's R&D activities.

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collaborates
closely with

the Technion's other leading faculties,
Electrical Engineering and
Mechanical Engineering, and with
other academic labs in Israel.

Prominent topics on the research
agenda are compact mesh and free-
form representations, efficient
geometric and mesh processing, and
combinatorial geometry.

The CGGC performs joint research
projects with industry. Applications
include medical imaging, geometric
analysis and synthesis, graphics
communication and geometric
computing over the Internet, image
and video analysis and streaming,
rapid prototyping.

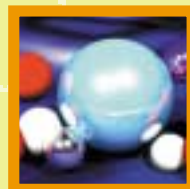
Several dozen students study and
conduct research under the
supervision of the Center founders.

THE FACULTY OF **COMPUTER SCIENCE**

Inaugurated in 1967 as an interdisciplinary graduate program, the Faculty of Computer Science was established as an independent entity in 1969, with undergraduate studies commencing in 1970. The faculty is proud to have trained an entire generation of computer scientists, who today, together with electronics engineers, are the human and professional backbone of the Israeli hi-tech industry.

The faculty is now the second largest academic unit in the Technion, with more than 1,300 under-graduate students (about one-eighth of the total number of Technion students) and more than 200 graduate students. Comprising about 55 scientists of international repute, the faculty members have expertise in a wide variety of fields. It is the largest faculty of computer science in Israel and supplies the Israeli hi-tech industry with the highest caliber manpower. An international Review Committee said of the faculty in 2001: "The Technion is conducting world class research in computer science...Having examined the research achievements and the graduate program, we would rank the computer science department among the top 10 departments of computer science in the United States."

In 2000, the faculty moved to a new spacious eight floor building with modern facilities and ample space for research labs. The CGGC occupies a full wing on one of the building's floors.



HAIFA



Israel's major port and an important center of industry and commerce, Haifa spreads over the slopes of Mt. Carmel, which commands a breathtaking view of the city and the bay. Haifa has approximately 250,000 inhabitants. The city is divided into four major areas: the lower city area - the port, as well as residential neighborhoods and beaches; the bay area - the industrial zone; Hadar Hacarmel - the older neighborhoods, commercial center and offices; Mt. Carmel area - residential and newer neighborhoods, as well as the city's entertainment, cultural and tourist centers.

The Mt. Carmel area is also home to both the Technion and the University of Haifa. In no other city in Israel are there two such established and broad academic institutions, linked both geographically and academically.

Call for participation

The CGGC invites applications for graduate studies in computer graphics or geometric modeling and/or post-doc fellowships in these areas.

More information can be found on the Center's Web Site:

www.cs.technion.ac.il/cggc



Center for Graphics & Geometric Computing

Faculty of Computer Science

Technion-Israel Institute of Technology

Technion City, Haifa 32000, Israel

Tel: +972-4-829-4906, Fax: +972-4-829-5538

E-mail: cggc-info@cs.technion.ac.il