

Electrical Engineering Department

- ■ ■ ■ ■ Electronics
- ■ ■ ■ ■ Computers
- ■ ■ ■ ■ Communications



Technion  
Israel  
Institute of  
Technology

## *Technion's Department of Electrical Engineering*

“

*... an academic department of  
**great distinction**  
should be treasured by Israel  
as a major national resource.*

”

# Excerpts



# Excerpts

from

## Report of the Review Committee

of the *Faculty of Electrical Engineering*

Submitted to the President of the Technion  
by the members of the Review Committee

March 30, 2000

**Professor Robert G. Gallager**

Chairman

Department of Electrical Engineering  
Massachusetts Institute of Technology, USA

**Professor Shmuel Shtrikman**

Department of Physics  
Weizmann Institute, Rehovot

**Professor Ivan P. Kaminow**

Kaminow Lightwave Technology  
12 Stonehenge Drive  
Holmdel, NJ, USA

**Professor Eugene Wong**

Department of Electrical Engineering  
and Computer Science  
University of California at Berkeley  
and National Science Foundation, USA





Overall, we find Technion to have one of the finest departments in electrical and computer engineering in the world. By any reasonable measure it would surely rank among the top ten internationally. In most of the topical areas, the faculty members are active and well-known researchers. At both undergraduate and graduate levels the curricula of instruction are excellent. In both teaching and research, Electrical Engineering is an academic department of great distinction and should be treasured by Israel as a major national resource.



*The executive summary addresses issues of intellectual property rights, staff resources, research and teaching, and attractive new emerging areas.\**

\* For a copy of the report,  
e-mail to: [ruth@ee.technion.ac.il](mailto:ruth@ee.technion.ac.il)

# Answer to the main

## Question:

What is the relative academic standing of Technion's Department of Electrical Engineering in Israel and abroad? What are the strong and weak research areas of the Department?

# Excerpts

Technion's Electrical Engineering department by almost any reasonable criterion, is one of the top 10 electrical engineering (or electrical engineering and computer science) departments throughout the world. Other comparable departments in the top ten are Stanford, MIT, UC Berkeley, Illinois, Michigan, UC San Diego, and a few others. To determine Technion's position in the top ten, we would have to create a

particular set of criteria, and there seems to be no good reason to do this. It is clear, however that in the areas of information theory, computer networks, and stochastic processes, for example, Technion is second to none. In electrical engineering education, it appears that the undergraduate labs, the projects, and the student quality are second to none. In the remainder of this report, we comment on particular areas of strength

and weakness at Technion. It should be realized, however, that this department is a national treasure. In many ways this department may be the most important part of Technion.

Any new faculty member must satisfy the existing requirement for excellence.