

DAN SHECHTMAN

Distinguished Technion Professor
The Philip Tobias Chair
Department of Materials Engineering
Technion, Israel Institute of Technology
Haifa, 32000 Israel

Born: January 24, 1941, Tel Aviv, Israel
Family Status: Married + 4

Address: Department of Materials Engineering
Technion, Haifa 32000, Israel.

Education: B.Sc. - Technion 1966, Mechanical Engineering.
MSc. - Technion 1968, Materials Engineering.
Ph.D. - Technion 1972, Materials Engineering.

Member, Israel Academy of Sciences

Member, National Academy of Engineering (USA)

Academic Appointments:

- 1998 - present Distinguished Professor of the Technion.
- 1986 - 1998 Professor, Department of Materials Engineering, Technion, Haifa.
- 1997 - present Visiting Professor, UMBC, Baltimore, Maryland.
- 1989 - 1997 Visiting Professor, Physics and Astronomy, The Johns Hopkins University, Baltimore, Maryland.
- 1984 - 1986 Associate Professor, Department of Materials Engineering, Haifa, Israel.
- 1981 - 1989 Visiting Professor, Department of Materials Engineering, The Johns Hopkins University, Baltimore, Maryland.
- 1977 - 1984 Senior Lecturer, Department of Materials Engineering, Technion, Haifa, Israel.
- 1975 - 1977 Lecturer, Department of Materials Engineering, Technion, Haifa, Israel.
- 1972 - 1975 National Research Council, Post Doctoral Research Associate, Aerospace Research Laboratories, Wright Patterson AFB, Ohio.

Significant studies:

1. Microstructure and mechanical properties of titanium aluminides.
2. Microstructure and properties of rapidly solidified metallic alloys.
3. The discovery of the Icosahedral Phase, the first quasi-periodic phase, its crystallography and some of its properties.
4. Nucleation and growth of CVD diamond films.
5. Development of new magnesium alloys.

Prizes and Awards:

- 2000 Elected Honorary member of the French Physical Society
- 2000 The Muriel & David Jacknow Technion Award for Excellence in Teaching
- 2000 Elected member of the American National Academy of Engineering.
- 2000 The Aminoff Prize of the Royal Swedish Academy of Sciences.
- 1999 The Wolf Prize in Physics.
- 1998 Elected Honorary Member of ISIS-Symmetry.
- 1998 Appointed a Distinguished Professor of the Technion.
- 1998 The Israel Prize in Physics.
- 1997 Elected Honorary Member of IMRS (Indian Materials Research Society).
- 1996 Elected member of the Israel Academy of Sciences.
- 1993 The Weizmann Science Award.
- 1990 The Rothschild Prize in Engineering.
- 1989 The Philip Tobias Chair.
- 1988 The New England Academic Award of the Technion.
- 1987 The International Award for New Materials of the American Physical Society.
- 1986 The Physics Award of the Friedenbergs Fund for the Advancement of Science and Education.

Papers in Refereed Journals: 68

Papers in Published Proceedings: 32

Chapters in Books: 5

Book edited: 1

Professional Activities:

Over 200 invited talks at scientific meetings and universities worldwide.

Member of the following societies:

- Israel Crystallography Society (Honorary Member).
- Israel Society for Microscopy (Honorary Member)
- ISIS-Symmetry -honorary Member (Honorary Member)
- IMRS - Indian Materials Research society (Honorary Member)
- IMS - Israel Metallurgical Society
- Israel society of crystal growth
- ASM - American Society for metals