

## **CURRICULUM VITAE**

### **EDUCATION**

**1953 - 1959** Leningrad Polytechnical Institute, Diploma of mechanical engineer.

**1959 - 1962** Leningrad State University, Diploma of physicist.

**1967** Degree of Candidate of Physics and Mathematics, Institute of Semiconductors of the Academy of Sciences of the USSR, Leningrad.

Thesis: ``Theory of Low-Voltage Arc in Thermoionic Converters".

**1983** Degree of Doctor of Physics and Mathematics, Lebedev Physical Institute of the Academy of Sciences of the USSR, Moscow.

Thesis: ``Persistent Currents of Mass, Electron-Hole Pairs and Spin and Dynamics of Superfluid Vortices".

### **SUMMARY OF EMPLOYMENT**

**1959 - 1961** Mechanical engineer in a state company for microelectronics, Leningrad, Russia.

**1961 - 1973** Postgraduate, junior researcher, Institute for Semiconductors of the Academy of Sciences of the USSR, Leningrad, Russia.

**1973 - 1997** Junior researcher, leading researcher, chief researcher (the last position), Ioffe Physical Technical Institute of the Russian Academy of Sciences, St. Petersburg, Russia.

**1997 - present** Professor, Racah Institute of Physics, Hebrew University of Jerusalem, Israel.

### **VISITING POSITIONS AND FELLOWSHIPS**

**1994** Visiting Professor at Ecole Normale Supérieure (Paris, France).

**1995** Kapitza Fellowship of the Royal Physical Society at the University of Birmingham (UK).

**from 1989** Visiting Professor at the Helsinki University of Technology (Espoo, Finland), about a few months a year.

**1996 - 1997** Forchheimer Professor at the Hebrew University of Jerusalem (Israel)

**2002, 2003** Visiting Professor at the Institute for Solid State Physics, University of Tokyo (Japan).

### **MOST IMPORTANT PUBLICATIONS**

1. The book: Thermoionic converters and low temperature plasma, F.G. Baksht, G.A. Dyuzhev, A.M. Martsinovskii, B.Ya. Moyzhes, G.Ye. Pikus, E.B. Sonin, and V.G. Yur'yev, (Nauka, Moscow, 1973), 480 pages [Engl. translation: Techn. Inf. Center, U.S. Department of Energy, USA, 1978, 484 pages].
2. The review article: Superflows and superfluidity, E.B. Sonin, Usp. Fiz. Nauk, 137, 267-304 (1982) [Sov. Phys.-Usp. 25, 409-430 (1982)].
3. The review article: Vortex oscillations and hydrodynamics of rotating superfluids, E.B. Sonin, Rev. Mod. Phys. 59, 87-155 (1987).