

## CURRICULUM VITAE



**Name:** Olgierd Dumbrajs

**Born:** 16 February 1942 in Riga, Latvia

**Phone:** +371 26359386

**Education:** 1960-1965, Latvian State University,  
masters degree in physics

1968-1971, Moscow State University,  
Ph.D. in physics

**Main research interests:**

- Theoretical and Statistical Physics
- Nuclear Physics
- High Frequency Electronics
- Theoretical Plasma Physics

**Work record:** 1967-1968, assistant at the Latvian State  
University

1968-1971, post-graduate student at the  
Moscow State University

1971-1977, research worker at the Joint  
Institute for Nuclear Research,  
Dubna, Russia

1977-1978, research worker at the Helsinki  
University, Finland

1978-1979, research worker at the Institutes  
for Nuclear Research in Zürich,  
Geneva, and Paris

1979-1980, research professor at the Aarhus  
University, Denmark

1980-1985, research worker at the Karlsruhe  
University, Germany

1985-1990, group leader at the Hamburg-  
Harburg University, Germany

1990-1992, research worker at the Research  
Center Karlsruhe, Germany

1993- until now special research worker at  
the Academy of Finland

1999- 2000 guest scientist at the Research  
Center Karlsruhe, Germany

2002 (three months) guest professor at  
Fukui University, Japan

2003 (four months) guest professor at  
Fukui University, Japan

2004 (four month) guest scientist at the  
research Center Karlsruhe, Germany

2005 (three months) guest professor at  
Fukui University, Japan

2005- until now leading researcher at the  
Institute of Solid State Physics, Riga, Latvia

2006 (three months) guest professor  
at Fukui University, Japan

2007 (three months) guest professor  
at Fukui University, Japan

### **International expertise:**

Member of the International Coordinating Committee for the Development Program for the Electron Cyclotron Wave Systems for the International Thermonuclear Experimental Reactor

Member of the Experts Group of the Fusion Program of the European Commission

INTAS Project “*Frequency tuneable microwave sources for plasma applications*” (coordinator).

INTAS Project “Development and investigation of novel methods by gyrotron efficiency enhancement by means of improved quality of the helical electron beam,” (participant).

In 2005 obtained a 24 months EURATOM fellowship for research topic „Stochastization of magnetic field lines and magnetic reconnection.”

In 2005 became a member of the European Plasma Physics Theory Committee

Life member of the American Physical Society

Senior member of IEEE

Foreign member of the Latvian Academy of Sciences

Active referee for the journals “International Journal of Electronics,” “Physics of Plasmas,” and “IEEE Transactions on Plasma Science.”

### **Teaching Experience:**

Lectured on:

"Introduction to Nonlinear Dynamics and Chaos"  
at Helsinki University and Helsinki University of Technology, 1993-1998.

"Theoretical Nuclear Physics"  
at Helsinki University of Technology, 1999-2005.

**Publications:**

175 articles in international scientific journals with referee practice

95 articles in international compilation works and in international scientific conference proceedings with referee practice

1 article as a scientific monograph

11 other scientific publications

3 German patents

Citation index: works cited about 1400 times in world's scientific journals, Hirsch index 15.