

- 1. Name:** LANTTO, Vilho Eelis
- 2. Date of birth:** 24 April, 1941
Place of birth: Pello (Turtola), Finland
Nationality: Finnish
Contact information: Kummelitie 3, 90520 Oulu, phone +358-8-5564126/home
 Microelectronics Laboratory, University of Oulu, Linnanmaa,
 90570 Oulu, phone +358-8-5532712, +358-40-7465131 (mobile)
 fax: +358-8-5532728, e-mail: Vilho.Lantto@ee.oulu.fi

- 3. Current position** Professor of Electrical Engineering at the University of Oulu,
 Department of Electrical Engineering, 1988-

4. Current research activities

Leader of the Materials Physics Research Group in the Microelectronics and Materials Physics Laboratories of the University of Oulu. The interests presently include surface effects, ferroelectric materials, solid-state sensors, device simulation and modelling, and different techniques for processing of different thin- and thick-film materials and devices.

5. Education and training

- School:** High School, Tornio, 1958-61
Industry: Training at National Board of Survey in 1964,
 in England in 1965 and in Germany in 1966
University of Oulu: Dipl. Eng. (M.Sc. degree), 1968 (with Distinction)
Industry: Training and working at Otanmäki Ltd and Rautaruukki Ltd in 1967-70
University of Oulu: Lic. Tech. in Technical Physics, 1972 (with Honours)
 Dr. Tech. 1975 (Thesis graded with Honours)
Language skills: Finnish, Swedish, English, German (main foreign language in High School)

6. Previous professional appointments

- University of Oulu:** Research Associate, Research Engineer and Teacher, 1965-68
Academy of Finland: Research Associate, 1968-72
University of Oulu: Teacher at the Mathematics Division, 1971-72
Academy of Finland: Junior Research Fellowship, 1973-76
University of Oulu: - Research Associate, 1976-79
 - Teacher at the Institute of Information Processing Science, 1977-85
Domus Botnica Found: Manager, 1972-78
Industry: Different positions, 1979-91
University of Oulu: - Research Associate 1984, Acting Associate Professor, 1985-87
 - Associate Professor of Electrical Engineering, 1988-1998
 - Acting Professor of Technical Physics, 1989-1990
Academy of Finland: Senior Scientist Fellowship, 1993-1994
University of Oulu: Dean of the Faculty of Technology and Member of the University Senate, 2000-2005

7. Memberships in scientific and professional societies

- Member of the Finnish Physical Society, 1968-, and its Executive Board 1989-1991
- Member of the European Physical Society, 1987-
- Member of the Engineering Society in Finland STS, 1976-
- Member of the Commercial Club of Oulu, 1976-
- Member of the Rotary Club of Oulu, 1974-
- Member of the Board of Commissioners of the Union of Finnish University Professors, 1997-
- Member of the Board of the Union of Finnish University Professors Oulu Section, 1995-
- Member of the Board of Directors of the Imatran Voima Found.,-92-01.
- Member of the Board of Directors of Digipolis Kemi, 2001-
- Member of the Finnish Academy of Technology, 2003-

8. Major research funding

Research Scientist, Responsible Head and Project Manager in about 25 research projects since 1985 funded by the Academy of Finland, TEKES, EU, Ministry of Trade and Industry, SITRA, INNONET, different Foundations and Companies both in Finland and abroad.

9. Scientific merits

- Book chapters 3
- Refereed articles in international journals: ~ 130
 - Applied Surface Science,
 - Current Applied Physics,
 - Electron Technology,
 - Ferroelectrics,
 - Geoexploration,
 - IEEE Transactions on Components and Packaging Technologies,
 - Informacije MIDEEM,
 - International Orthopedics,
 - Japan Journal of Applied Physics,
 - Journal of American Ceramic Society,
 - Journal of Applied Physics,
 - Journal of Electroceramics,
 - Journal of Electrochemical Society,
 - Journal of European Ceramic Society,
 - Journal of Hyperfine Interactions,
 - Journal of Korean Physical Society
 - Journal of Molecular Catalysis A: Chemical,
 - Journal of Nanoparticle Research,
 - Journal of Nanotechnology and Nanomaterials
 - Journal of Physics D: Applied Physics,
 - Journal of Shoulder and Elbow Surgery,
 - Materials Evaluation,
 - Materials Science in Semiconductor Processing,
 - Orthopedic transactions,
 - Physica B: Physics of Condensed Matter,
 - Physica Scripta,
 - Physica status solidi (a) and (b),
 - Physical Review B,
 - Sensors and Actuators, and A (Physical) and B (Chemical),
 - Silva Fennica
 - Surface Science and
 - Thin Solid Films

- Invited papers and presentations ~ 30
- Publications in different series ~ 17
- International conference proceedings papers (refereed) ~ 40
- Conference reports (oral presentations over 60) ~ 190

10. Editorial and review tasks

- Editor of the Serie C: Technica in the Acta Universitatis Ouluensis, 1997-
- Member of Editorial Board of the Acta Universitatis Ouluensis, 1997-
- Member of Editorial Board of the journal Sensors and Actuators B, 1994-
- Ordinary Referee in J. Appl. Phys. and Appl. Phys. Letters, 1993-
- Reviewer for two textbooks
- Reviewer for about 165 manuscripts submitted for publication in several (~ 10) international journals since 1993
- Reviewer for papers submitted to several international conferences
- Reviewer for several Doctoral Thesis manuscripts
- Reviewer for applications submitted to the Academy of Finland and to several Foundations and Funds
- Reviewer for the International Science Programs at the Uppsala University, Sweden

11. International research co-operation with groups at

Technical University of Budapest, Hungary
 Uppsala University, Sweden
 Chalmers University of Technology, Sweden
 Tokyo Institute of Technology, Japan
 Massachusetts Institute of Technology (MIT), USA
 Karpov' Institute of Physical Chemistry, Russia
 Studsvik Neutron Research Laboratory, Sweden
 Rutherford Appleton Laboratory (ISIS Facility), UK
 National Technical University of Lima, Peru
 National Center for Science and Technology, Vietnam