Curriculum Vitae

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Education

- University of Iceland B.Sc. in physics 1978
- University of Alberta, M.Sc. in theoretical physics 1980. Supervisor Prof. M. Razavy.
- University of Alberta, Ph.D. in theoretical physics 1985. Supervisor Prof. Y. Takahashi.

Positions

- University of Alberta, teaching assistant 1978-1984
- University of Alberta, research assistant 1984-1985
- Max-Planck Institute for Solid State Research, Stuttgart, postdoc, group of Prof. K. von Klitzing 1985-1988
- Science Institute, research fellow 1988-1991
- University of Iceland, lector (reader) 1991-1992
- University of Iceland, docent (associate professor) 1992-1996
- University of Iceland, professor (full professor) 1996-2025
- University of Iceland, professor (emeritus) 2025

Extra functions

- Chairman of the physics department, University of Iceland, 1995-97
- Member of the Board of NORDITA, Copenhagen, 1999 - 2001
- Chairman of the board of NORDITA, 2000
- Vice-chairman of the board of the Science Institute, University of Iceland, 1999-2002
- Chairman of the physics section at the Science Institute, 1999-2002
- Chairman of the board of Science Institute, University of Iceland, 2003-2006.

Field of research

- Theory of electronic systems in dimensionally reduced semiconductors; 2DEG, quantum dots and wires, ground state properties, magnetization, far-infrared absorption, transport, interacting mesoscopic systems in magnetic field. Transport through photon cavities. Time-dependent phenomena in nanosystems. Open systems. Quantum optics.

Publications

236 articles are submitted to, or published in refereed international journals or conference proceedings. The full list of publications is available on the web with the URL: `https://vidargudmundsson.org/Rann/rit/node1.html` with most of the publications hyperlinked.