Curriculum Vitae for Jesper Mygind

Born: March 21, 1942, Frederiksberg, Copenhagen, Denmark

Nationality: Danish

Marriage: Annette Mygind, S.A.

Children: Thomas Christian Mygind (born 1970)
Jacob Mygind (born 1973)

Education:

1966 M. Sc. Electrical Engineering and Physics. The Technical University of Denmark (DTH).
1972 Ph. D. (Lic. Techn., Physics), DTH.
Thesis: *Influence of Landau Level Quantization and Lattice Permittivity on the Propagation of Helicon Waves in n-type PbTe.* Physics Lab. I, Internal Report (1972).

Professional Experience:

1966-68 Danish Defence Research Council (Reserveofficer)
1968-70 Licentiate (Ph.D.) student
1970-72 Assistant professor (Amanuensis), Physics Lab. I, DTH
1972-86 Associate professor (Lektor), Physics Lab. I, DTH
1986-89 Research staff, Danish Institute of Fundamental Metrology, DFM
1989-90 Associate professor (Lektor), Physics Lab. I, DTH
1990 - ...Professor (Docent), Department of Physics, Technical University of Denmark (DTU)

Scientific publications:

Author/co-author of more than 135 scientific papers in refereed international journals and about 150 contributions to conferences, monographs, reports, lecture notes, etc.

Referee:

Physical Review Letters
Physical Review
Applied Physics Letters
Journal of Applied Physics
IEEE Trans. Microwave Theory Tech..
IEEE Trans. Appl. Supercond.
Chem. Eng. Sci. Technology
Journ. Phys. Cond. Mat.
IOP Nanotechnology
IOP Superconductor Science and Technology
Physica B, C and D

Others:

Member of Danish Academy of Natural Sciences, DNA.
Member of Danish Physical Society.
Member of European Physical Society
Member of American Physical Society.
Member of Steering board of ASC conference USA.
Member of board of directors "E-gruppen", Danish Engineers Association, IDA.
Technical assessor, Danish Accreditation, DANAK.
Referee on a number of EU, NATO, ESF, EUROMET, etc. Calls and projects
Consultant to Danish Institute of Fundamental Metrology, DFM.

10 Keywords:

low temperature physics, dynamics of nonlinear systems, superconductivity, Josephson effect, quantum metrology, nanodevices, cryogenic STM/AFM/MFM, carbon nano tubes (SWCNT), high frequency properties, noise and fluctuations.

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