

Curriculum vitae

Personal data

Family name: De Hoop

Given names: Adrianus Teunis

Date of birth: 1927 December 24

Place of birth: Rotterdam, the Netherlands

Nationality: Dutch

Business address: Delft University of Technology
Faculty of Electrical Engineering, Mathematics and Computer Science
Laboratory of Electromagnetic Research
Mekelweg 4, 2628 CD Delft
the Netherlands
T: +31 15 2785203
E: a.t.dehoop@tudelft.nl

Education

1934 - 1940 Elementary school at Rotterdam, the Netherlands

1940 - 1945 Secondary school/High school at Rotterdam, the Netherlands

1945 -1950 Enrolled as a student in Electrical Engineering at Delft University of Technology, Delft, the Netherlands

1950 Master's Degree in Electrical Engineering (cum laude)
Delft University of Technology, Delft, the Netherlands

1958 Doctor of Science Degree (cum laude)
Delft University of Technology, Delft, the Netherlands

Professional Career

1950 - 1952 Research Assistant
Faculty of Electrical Engineering
Delft University of Technology
Delft, the Netherlands

1952 - 1953 Military service in the Royal Netherlands Navy (Reserve Officer RNN)

1956 - 1957 Research Assistant
Institute of Geophysics

University of California
Los Angeles, CA, USA

- 1957 - 1960 Associate Professor of Electromagnetic Theory,
Faculty of Electrical Engineering
Delft University of Technology
Delft, the Netherlands
[\[Public Inaugural Lecture \(in Dutch\) in .pdf format\]](#)
- 1960 - 1996 Professor of Electromagnetic Theory and Applied Mathematics
Delft University of Technology
Delft, the Netherlands
[\[Inaugural Address \(in Dutch\) in .pdf format\]](#)
- 1996 - present H.A. Lorentz Chair Emeritus Professor
Laboratory of Electromagnetic Research
Faculty of Electrical Engineering
Mathematics and Computer Science (EEMCS)
Delft University of Technology
Delft, the Netherlands
[\[Valedictory Address \(in Dutch\) in .pdf format\]](#)
- 1976 - 1977 On leave of absence at
Philips Research Laboratories
Eindhoven, the Netherlands
(Research on Magnetic Recording Theory)
- 1977 - 1989 Consultant Philips Research Laboratories
Eindhoven, the Netherlands
(Electromagnetic theory and Applied Mathematics)
- 1976 - 1977 Professor in Electromagnetic Theory (part time)
Faculty of Electrical Engineering
Eindhoven University of Technology
Eindhoven, the Netherlands
- 1982 For a period of three months on leave of absence at
Schlumberger - Doll Research, Ridgefield, CT, USA
(Research on Electromagnetic and Acoustic borehole problems)

Honors and Awards

- 1982 Honorary Doctorate in the Applied Sciences
from the State University of Ghent, Belgium
- 1989 Gold Research Medal ("Speurwerkprijs") of the
Royal Institution of Engineers in the Netherlands
"For contributions to seismic wave theory"
- 1989 Appointed as a Member of the
Royal Netherlands Academy of Arts and Sciences

- 1998 Appointed as a Foreign Member of the
Royal Flemish Academy of Belgium for Science and the Arts
- 2001 2001 IEEE Heinrich Hertz Medal
"For fundamental contributions to the theory of reciprocity
and to the understanding of electromagnetic wave propagation in layered media"
- 2002 URSI 2002 Balthasar van der Pol Research Medal
"For fundamental contributions to the theory of reciprocity
and to the understanding of electromagnetic wave propagation in layered media"
- 2003 Appointment by H.M. the Queen of the Netherlands as
"Knight in the Order of the Netherlands Lion"
- 2008 Honorary Doctorate in the Mathematical, Physical and Engineering
Sciences from Växjö University, Växjö, Sweden

Administrative and Executive Offices

- 1966 - 1970 Executive Secretary of the Department of Electrical Engineering
Delft University of Technology, Delft, the Netherlands
(responsibilities: academic curriculum, examinations, student affairs)
- 1974 - 1984 Member of the *Council of the Netherlands Organization for the
Advancement of Pure Research (Z.W.O.)*
- 1975 - 1982 Member of the *Executive Board of the Netherlands Organization for
the Advancement of Pure Research (Z.W.O.)* (portfolio: the sciences)
- 1992 - 1996 Prorector Chairperson Committees for PhD examinations
and thesis defenses

Personal Research Grants

- 1986 Award of USD 30,000.00 from the
"Stichting Fund for Science, Technology and Research"
(founded by Schlumberger Limited)
- 1989 Award of USD 5,000.00 from
Schlumberger - Doll Research
Ridgefield, CT, USA
- 1989 Award of USD 30,000.00 from the
"Stichting Fund for Science, Technology and Research"
(founded by Schlumberger Limited)
- 1990 Award of USD 25,000.00 from the
"Stichting Fund for Science, Technology and Research"
(founded by Schlumberger Limited)

- 1991 Award of GBP 5,000.00 from Schlumberger Cambridge Research Cambridge, United Kingdom
- 1991 Award of USD 10,000.00 from Etudes et Productions Schlumberger Clamart, France
- 1993 Award of USD 30,000.00 from the "Stichting Fund for Science, Technology and Research" (founded by Schlumberger Limited)
- 1994 Award of USD 15,000.00 from the "Stichting Fund for Science, Technology and Research" (founded by Schlumberger Limited)

Editorships

- 1963 - 1982 Member of the Editorial Board of *Applied Scientific Research*
- 1975 - 1982 Member of the Editorial Board of *Wave Electronics*
- 1978 – present Member of the Board of Editors of *Wave Motion*
- 1989 - 1992 Member of the Editorial Board of *Inverse Problems*

List of PhD-graduates

- 1967 De Bruijn, A.,
Calculation of the edge effects of sound-absorbing structures,
Date: 1967-06-07, 114 pp.
- 1967 Frankena, H. J.,
Scattering of electromagnetic waves by a class of waveguide discontinuities,
Date: 1967-12-06, 179 pp.
- 1970 Blok, H.,
Diffraction theory of open resonators,
Date: 1970-05-13, 120 pp.
- 1971 Van den Berg, P. M.,
Rigorous diffraction theory of optical reflection and transmission gratings,
Date: 1971-11-17, 171 pp.
- 1973 De Jong, G.,
Generation of acoustic waves in piezo-electric devices,
Date: 1973-05-02, 188 pp.
- 1975 Tan, T. H.,
Diffraction theory for time-harmonic elastic waves,

Date: 1975-11-26, 140 pp.

[\[Limited number available for distribution, for private use, upon request.\]](#)

- 1977 Neerhoff, F. L.,
Diffraction of elastic SH-surface waves,
Date: 1977-06-29, 120 pp.
- 1978 Mur, G.,
Computation of electromagnetic fields in inhomogeneous media: Scattering and guiding properties,
Date: 1978-05-24, 121 pp.
[\[Limited number available for distribution, for private use, upon request.\]](#)
- 1979 Van Schaik, H. J.
Theory and performance of a space-fed, planar, phased-array antenna with 849 iris-loaded rectangular-waveguide elements and external matching sheet,
Date: 1979-06-06, 149 pp.
- 1979 Fokkema, J. T.,
Reflection and transmission of time-harmonic elastic waves by the periodic interface between two elastic media,
Date: 1979-10-03, 188 pp.
- 1980 Van Herk, A.,
Three-dimensional analysis of magnetic fields in recording head configurations,
Date: 1980-10-23, 205 pp.
- 1981 Herman, G. C.,
Scattering of transient acoustic waves in fluids and solids,
Date: 1981-12-22, 183 pp.
[\[Limited number available for distribution, for private use, upon request.\]](#)
- 1986 Du Cloux, R.,
Symmetry properties of elastodynamic wave fields and their application to space-time scattering theory,
Date: 1986-12-18, 360 pp.
[\[Limited number available for distribution, for private use, upon request.\]](#)
- 1987 Van der Hijden, J. H. M. T.,
Propagation of transient elastic waves in stratified anisotropic media,
Date: 1987-04-16, 317 pp.
- 1988 Van der Weiden, R. M.,
Boundary integral equations for the computational modeling of three-dimensional steady groundwater flow problems,
Date: 1988-06-21, 250 pp.
- 1989 De Vries, S. M.,
Propagation of transient acoustic waves in porous media,
Date: 1989-05-30, 178 pp.
[\[Limited number available for distribution, for private use, upon request.\]](#)

- 1989 De Ruiter, H. M.,
Transmission, reflection and radiation at junction planes of different open waveguides,
Date: 1989-09-05, 246 pp.
- 1990 Stam, H. J.,
A time-domain finite-element method for the computation of three-dimensional acoustic wave fields in inhomogeneous fluids and solids,
Date: 1990-06-21, 230 pp.
[\[Limited number available for distribution, for private use, upon request.\]](#)
- 1991 Combee, L.,
Transient diffusive electromagnetic fields in layered anisotropic media,
Date: 1991-10-01, 224 pp.
[\[Limited number available for distribution, for private use, upon request.\]](#)
- 1992 De Hoop, M. V.,
Directional decomposition of transient acoustic wave fields,
Date: 1992-02-27, 288 pp.
[\[Limited number available for distribution, for private use, upon request.\]](#)
- 1992 Quak, D.,
Reproduction of digital signals in magnetic recording: a theoretical study,
Date: 1992-03-30, 215 pp.
[\[Limited number available for distribution, for private use, upon request.\]](#)
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