

Curriculum Vitae

HANS (C.J.) VAN DUIJN

Affiliation

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Personal data

Address: Vredehofweg 61, 3062 EM Rotterdam
Birth: 16/02/1950, Rotterdam
Nationality: Dutch
Married to Mieke van Duijn-Montfoort since 1971, three children, three grandchildren

Education

1972-1975	Eindhoven University of Technology Eindhoven, The Netherlands 'Ingenieur' degree in Physics (cum laude).
1975-1979	Delft University of Technology Delft, The Netherlands & Leiden University Leiden, The Netherlands PhD degree in Mathematics (Nonlinear Diffusion Problems: advisor L.A. Peletier).

Research area: Applied Analysis

- Elliptic and parabolic free boundary problems, conservation laws, homogenisation;
- Modelling flow and transport in porous media, biomedical applications.

Experience (general)

- 1980-1983 Researcher, Delft Soil Mechanics Laboratory, Delft, The Netherlands.
- 1983-1995 Associate Professor, Department of Mathematics, Delft University of Technology, Delft, The Netherlands.
- 1990-1997 Honorary professor, Mathematical Institute, Leiden University, Leiden, The Netherlands.
- 1995-2000 Senior researcher at the Center for Mathematics and Computer Science (CWI), Amsterdam, The Netherlands, 0,8 fte.
- 1997-2000 Part-time Professor, Department of Mathematics, Delft University of Technology, Delft, The Netherlands. Chair: Mathematical analysis of porous media flow (0.2 fte).
- 2000-2005 Full Professor, Department of Mathematics and Computer Science, Eindhoven University of Technology. Chair: Applied Analysis.

Experience (administration)

- 1995-2000 Member of management team of the Center for Mathematics and Computer Science, head of Department 'Modeling, Analysis and Simulation'.
- 2002-2004 Member of faculty board of Department of Mathematics and Computer Science at Eindhoven University of Technology, also vice-dean.
- 2004-2005 Dean of Department of Mathematics and Computer Science at Eindhoven University of Technology.
- 2005-present Rector Magnificus of Eindhoven University of Technology.

Experience (teaching)

Both in Delft (at the TUD) and in Eindhoven (TU/e) I taught a variety of courses related to analysis, differential equations and mathematical modeling. This involved both service teaching to engineering students as well as teaching to our own math-students. When I started at the TU/e in 2000, I became 'portefeuillehouder service-onderwijs'. In this capacity I supported and advertised the role of mathematics in the engineering programmes. Because of this involvement I know the 'educational directors' and the various engineering programmes quite well. I also chaired the project group 'harmonisatie-bacheloropleiding', for the purpose of advising the rector in the matter of the transition from the old 5-year curriculum to the new Ba-Ma structure. Part of the new structure is the introduction of modules in the engineering programmes.

Visiting Positions

- 1979-1980 School of Mathematics, University of Minnesota, NWO postdoc.
- 1991 Institute for Mathematics and its Applications, Minnesota. Three months during year on Phase Transitions & Free Boundaries.
- 1996 Centre for Environmental Mechanics, CSIRO, Canberra (Australia). Sabbatical leave, three months.
- 2000 Institute for Mathematics and its Applications, Minnesota. Two months as VIV (very important visitor) during year on Reactive Flow and Transport Phenomena.
- 2001 Weierstrass Institut für Angewandte Mathematik und Stochastik (WIAS), Berlin. One month visit.

Visiting Professorships (≥ 1 month)

- 1990 Bonn University. Three months at Institut für Angewandte Mathematik, H.W. Alt.
- 1991 Rice University. Two months at Department of Mathematics, M.F. Wheeler.
- 1998 Ecole Normale Supérieure, Paris. One month at DMI, H. Berestycki.
- 2002 Université Lyon 1. One month at Department of Applied Mathematics, A. Mikelić.

Editorial Activities

- Editor-in-Chief of Computational Geosciences.
- Member editorial board of Interfaces and Free Boundaries.
- Member editorial board of Transport in Porous Media.

Awards

- Leermesterprijs 1994-1995 at Delft University of Technology.
- Max Planck Research Award for International Cooperation (Bonn, 1998).

Membership

- American Mathematical Society.
- SIAM, activity group on Geosciences.
- Board of Thomas Stieltjes Institute for Mathematics (research school).
- Board of research school Beta.
- Academic Council for Mathematics (ARW).
- Advisory Committee Mathematics (ACW) of NWO.
- Advisory Committee Mathematics of the Lorentz Center.
- Vice-chairman of the scientific council of the Weierstrass Institute (Berlin):
1996-2004.
- Steering committee of European Science Foundation Programme “Free Boundary Problems”, 1992-1996.
- Steering committee of European Science Foundation Programm “Global and Geometric Aspects of Nonlinear Partial Differential Equations”.
- Chairman of the NWO-Priority Programme “Nonlinear Systems”, 1992-2000.
- Board of Center for Mathematics and Computer Science (CWI).
- Board of Eurandom (National Institute for Stochastics, Statistics and Operation Research).
- Supervisory Board of Dutch Polymer Institute.
- Supervisory Board NRC-Catalysis.
- Board of 3 TU Graduate School.
- Chairman of 3TU Institute for Science and Technology.
- Netherlands Academy of Technology and Innovation (AcTI)