

Pieter A. Vermeer

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Current position

Full professor of geotechnical engineering, University of Stuttgart

Education

Delft University of Technology, The Netherlands, Master Diploma of Civil Engineering, 1972

Doctor of Engineering (Soil Mechanics), 1980

Research interests

Soil and Rock mechanics, constitutive modelling, numerical methods, soil testing dams, embankments, tunnelling, deep excavations

Career

1972 - 1986 Research Associate in Soil Mechanics, Delft University of Technology (TUD)
1986 - 1994 Lecturer on Soil Mechanics at TUD
7/1986 – 9/1986 Visiting Lecturer, Institute of Mechanics INPG, Grenoble, France
7/1988 – 9/1988 Visiting Professor, University of Minnesota, USA
9/1989 – 10/1989 Visiting Professor, Institute of Mechanics INPG, Grenoble, France
1989 - 1994 Head of PLAXIS R&D Group within TUD
1994 – present Professor of Geotechnical Engineering, University of Stuttgart, Germany

Honors and awards

Research award of the Royal Dutch Academy of Engineers (only current ones)

Professional activities

German Society of Geotechnical Engineering
Dutch Society of Soil Mechanics and Foundation Engineering
International Society of Soil Mechanics and Foundation Engineering
Advisory Board of Int. Journal Num. and Anal. Meth. Geomechanics
Reviewer Géotechnique (Institution of Civil Engineers, London)
ISSMFE Committees
Editorial Board of Journal for Computers and Geotechnics
Editorial Board of Journal for Granular Matter
Advisory Board of GeoDelft, Netherlands
Board of PLAXIS Foundation
Committee on German Code of Practice (DIN) for Geotechnical Engineering
GeoDACH, Committee on German, Austrian and Swiss Cooperation in Geot. Eng.

Books

Formulation and Analysis of Sand Deformation Problems, TUD, 1980. (Dissertation)
Deformation and Failure of Granular Materials, Balkema, 1982. (2nd Editor H.J. Luger).
Manuals of non-linear finite element code PLAXIS, Balkema. (With R.B.J. Brinkgreve).
Lecture Notes on Geotechnical Engineering (3 Volumes in German), IGS.
Exercises on Geotechnical Engineering (2 Volumes in German), IGS.
Deponiebau und Geotechnik (in German), IGS, 1996.
Baugruben in Locker- und Festgestein (in German), IGS, 1997.

Neue Entwicklungen in der Geotechnik (in German), IGS, 2000.
Continuous and Discontinuous Modelling of Cohesive-Frictional Materials, Springer, 2001.
Geotechnics of soft Soils: Theory and Practice, VGE, 2003.
Modelling of Cohesive-Frictional Materials, A.A. Balkema, 2004.

Summary of journal publications

Journal	Impact factor	Number of papers
3 Géotechnique	0,844	6
4 Int. J. Numerical Analytical Methods in Geomechanics	0,621	7
5. Computer and Geotechnics		2
1 Other indexed journals		5
2 Other papers in refereed journals		9

Other relevant information

- more than seventy conference paper
- more than seventy invited lectures
- more than forty consulting projects
- Organiser of more than forty courses on comp. Mech.
- Organizer of more than 20 Workshops and Conferences