Curriculum Vitae

Floris Schokking

Amsterdam, November 6, 1946

Education

1959 – 1966 Kennemer Lyceum, Overveen, The Netherlands: HBS-B

1968 – 1974 Rijksuniversiteit Leiden: Geology; Doctoraal examination Geology and Hydrogeology

1974 – 1975 Royal School of Mines, Imperial College, London, UK; MSc Engineering Geology, DIC

1998 Delft University of Technology: Doctorate (equivalent to Ph.D.)
Thesis: Anisotropical geotechnical properties of a glacially overconsolidated and fissured clay

Work experience

1992 – present GeoConsult, Haarlem, Engineering Geological and Geotechnical Consulting

Founder and principal

Principal geotechnical engineer High Speed Line South (Amsterdam – Brussels), Design & Construct contract (€ 500million), for the connection of HSL with existing rail infrastructure of NS comprising: Site investigation design and interpretation, risk analysis, geotechnical design of foundations and earth embankments, dewatering design, construction preparation and construction supervision;

Geotechnical and engineering geological consulting for horizontal directional drilling in soil and rock in The Netherlands, Belgium, France, England, Germany, Italy, Denmark, Maroc, Qatar, Abu Dhabi, Brazil, Australia, Greenland;

Design and supervision of site investigations for jetty and foundation pile design in Fujairah, UAE;

Interpretation of site investigations for pre-design of bored Heinenoord Road Tunnel; Design and interpretation of site investigations for various underground constructions and bored tunnels;

Design and supervision of site investigations and geotechnical design for dredging and land reclamation projects in Southeast Asia;

Supervision site investigation and interpretation for rock dredging of intake channel, Lake Nasser, Egypt;

Regional land subsidence research for Shell, TotalFinaElf and Chevron in Province of Friesland, with emphasis on discrimination between shallow and deep subsidence, development of new discriminative method in collaboration with Department of Engineering Geology, TUDelft.

Tender research and claim research for various projects

Research for monitoring system for rotary soil displacing piles during installation, European Patent Application EP 2 348 159 A1

Further information about performed projects at www.geoconsult-haarlem.nl

1983 – 1992 Geological Survey of The Netherlands, Haarlem; Department of Applied Geology

Design and evaluation of site investigation for feasibility study for bored Westerscheldt Road Tunnel;

Feasibility studies for various infrastructure projects and bored tunnels;

Research of suitability of impermeable deposits in the Dutch subsurface for the purpose of waste disposal;

1986 – 1987 Educational Assignment trough UNDP: lecturing and on-the-job trainings in South East Asian countries: Thailand, Malaysia, Indonesia, Philippines, Taiwan, Papua New Guinea and in China and South Korea

1980 – 1983 Acres Consulting Services, Niagara Falls, Ontario, Canada, Engineering Consultants
Geotechnical Department
Research and design for various electric and hydroelectric power developments: dam and dam foundation design, development of clay quarry, rock slope stability, tunnel stability; construction supervision
Site investigation design and supervision for design of foundations in sandstone of large road bridge.

1981 – 1983 Resident Geotechnical Engineer, Sault Ste Marie Hydroelectric Development
Construction supervision of cofferdams, site dewatering, excavation by dredging for head and tailrace channel, drilling and blasting excavation for headrace channel, rock surface stabilisation, exploitation of clay quarry, grouting of sandstone dam foundation, construction of rockfill dam with clay core

1975 – 1980 Stevin Construction, Beverwijk, General Contractors, part of Royal Volker Stevin Group
Foundation Engineering Department
Site investigation design and supervision, foundation design for marine constructions and bridges, tender research, field research for development of quarries; assignments in Gabon and Nigeria

Courses and Workshops

1977 - 1978	Project organisation
1977	Short Course in Bench Drilling, Atlas Copco, Bohas, Zweden
1980 - 1981	Advanced Calculus, Brock University, St. Catharines, Ontario
1989	3D - modelling with Geoscientific Information Systems, NATO Advanced Research Workshop, Santa Barbara, California, USA
1990	Computational Geomechanics (PLAXIS); Post-academic course Civil Engineering and Construction, TU-Delft
1991	Project management, human behaviour aspects Effective Presentation

Memberships of Committees

Member of Sub-committee of the Dutch Geodetic Committee: “Land Surface Movements and Sea Level Variations”, since 1988
Member of the Committee Environmental Impact Assessment (Cie-MER), Utrecht, since 1999

Memberships of Professional Associations:

Koninklijk Nederlands Genootschap voor Geologie en Mijnbouw (*Royal Dutch Society of Geology and Mining)*
Ingenieurs Geologische Kring, Board member 1988 – 1993 (*Engineering Geology Group)*

Geological Society of London; Associate Editor of the Quaternary Journal of Engineering Geology and Hydrogeology
International Association of Engineering Geologists
International Society for Soil Mechanics and Foundation Engineering
International Society for Rock Mechanics
Koninklijk Instituut voor Ingenieurs
Affiliation Geotechnics
Affiliation Tunnel Technology and Underground Constructions

Publications

Schokking, F., 1973,
Controle op de voorspelling van grondwaterstandsdaling bij de ontwatering van de bouwput voor de aanleg van de nieuwe sluis in de Maas bij Grave, met behulp van electrische analogons *(Validation of the prediction of groundwater lowering during dewatering of the excavation for the new lock in the River Meuse near Grave, with use of electrical analogues)*; Doctoraal thesis Hydrogeology, RU Leiden.

Schokking, F., 1974,
Een onderzoek naar de structurele geologie van het NW-Borgafjäll, Västerbotten, Zweden *(A research of the structural geology of the NW- Borgafjäll, Västerbotten, Sweden)*; Doctoraal thesis Structural Geology, RU Leiden

Schokking, F., 1975,
Leakage from reservoirs in limestone terrain, with specific reference to the Lar Reservoir in Iran; MSc thesis Engineering Geology, Imperial College

Schokking, F., 1979,
Construction methods of tunnels in soil and rock; internal R&D report, Royal Volker Stevin Group

Schokking, F., 1980,
Bentonite drilling muds for the construction of large diameter bored piles and diaphragm walls; internal R&D report, Royal Volker Stevin Group

Schokking, F., 1986,
Engineering geological thematic maps of urbanisable areas in The Netherlands, ESCAP Seminar: Geological Mapping in the Urban Environment, Bangkok, October 1986

Schokking, F., R. Hoogendoorn and H.C. van de Graaf, 1990,
A new method for deep static cone penetration testing, 6th Int. Congress IAEG, 1990, Amsterdam, Ed. D.G. Price, Balkema, Rotterdam, p. 329-335

Greeuw, G. and F. Schokking, 1990,
Piezocone and other measurements in an overconsolidated glacial clay, 6th Int. Congress IAEG, 1990, Amsterdam. Ed. D.G. Price, Balkema, Rotterdam, p. 303-308.

Wildenborg, A.F.B., J.H.A. Bosch, E.F.J. de Mulder, R. Hillen, F. Schokking, K. van Gijssel, 1990,
A review: effects of (peri)-glacial processes on the stability of rock salt 6th Int. Congress IAEG, 1990, Amsterdam, Ed. D.G. Price, Balkema, Rotterdam, p. 2763-2770

Schokking, F., E.B.A. Bisdom, F.A.M. Hettinga, R. Straatman, 1990, Denitrification by pyrite in Pleistocene aquifers in North Brabant, 6th Int. Congress IAEG, 1990, Amsterdam, Ed. D.G. Price, Balkema, Rotterdam, p. 151-157

Schokking, F., E.B.A. Bisdom, F.A.M. Hettinga, R. Straatman, 1990,
Denitrificatie door pyriet in oostelijk Noord-Brabant *(Denitrification by pyrite in eastern North-Brabant)*. In: Proc. Symp. Dierlijke Mest. Problemen en Oplossingen, Ed. P. del Castilho, KNCV, Den Haag, p. 455-461

Schokking, F., 1990,
A sub-glacial sediment deformation model from geotechnical and structural properties of an over-consolidated lacustro-glacial clay. Geol. en Mijnb., p. 291-304

Schokking, F., 1990,
On estimating the thickness of the Saalian ice sheet from a vertical profile of preconsolidation loads of a lacustro-glacial clay. Geol. en Mijnb., 69, p. 305-312

Schokking, F., 1990,
Geologie en natuurlijke bodemdaling in Nederland. Symposium Bodemdaling in Nederland *(Geology and natural land subsidence in The Netherlands)*, Technische Universiteit Delft. Ed. J.P.A. Roest, TU Delft, p. 35-48

Douma, J., H. den Rooyen and F. Schokking, 1990,
Anisotropy detected in shallow clays using shear-wave splitting in a VSP survey. Geophysical Prospecting, 38, p. 983-998

Douma, J., K. Helbig, F. Schokking and J. Tempels, 1990,
Shear-wave splitting in shallow clays observed in a multi-offset and walk-around VSP, Geol. en Mijnb. 69, p. 417-428

Schokking, F. en B. Hoogendoorn, 1991,
Computer aided compilation of settlement maps for the Provinces of Friesland and Gelderland, The Netherlands; 25th Annual Conference of the Engineering Geology Group of Geological Society of London, Edinburgh, 1989, Publ. 1991.

Schokking, F., A. Lokhorst & M.C. Geluk, 1992,
A geological framework for the planning of the use of the underground in The Netherlands, Proc. 5th Int. Conf. on Underground Space and Earth Sheltered Structures, Delft, August 1992, Ed. L. Boyer, Delft University Press

C.M. Maugenest & F. Schokking, 1992,
Chemical wastes above or underground; a pre-evaluation study, Int. Conf. on Underground Space and Earth Sheltered Structures, Delft, August 1992, Ed. L. Boyer, Delft University Press

Schokking, F. & A.H. Nooy van der Kolff, 1995,
History and geotechnical properties of the marine Boom Clay, Proc. 11th Eur. Conf. on Soil Mech. and Found. Eng., Copenhagen

Schokking, F., 1995,
Prediction of long-term land subsidence in drained peat areas in the Province of Friesland, Proc. FISOLS, 5th Int. Symp. on Land Subsidence, Vol. 2: The Groningen Gasfield, The Hague

Hoefnagels, A.A.J.V., P.M. Maurenbrecher & F. Schokking, 1995,
Long-term movement of benchmarks in the Groningen area, preceding hydrocarbon extraction, Proc. FISOLS, 5th Int. Symp. on Land Subsidence, Vol. 2: The Groningen Gasfield, The Hague

Nieuwenhuis, H.S. & F. Schokking, F., 1997,
Land subsidence in drained peat areas of the Province of Friesland, The Netherlands; Quarterly Journal of Engineering Geology, 30, 37 – 48

Lange, G. de, G. Brand & F. Schokking, 1998,
25 years of subsidence research: the growing importance of engineering geology; Engineering Geology and Infrastructure, The added value of the engineering geologist; Proc. Symp. “25 years Jubilee of Engineering Geology in The Netherlands”

Schokking, F., 1998,
Anisotropic strength behaviour of a fissured overconsolidated clay in relation to Saalian glacial directions; Engineering Geology, 49

Schokking, F., 1998,
Anisotropic geotechnical properties of a glacially overconsolidated and fissured clay; doctorate thesis TU-Delft, ISBN 90-9011541-2-; NUGI 841

Cheung, G., M.A. Grima, P.M. Maurenbrecher & F. Schokking, 2000,
Statistical analysis of benchmark stability prior to natural gas extraction in a Holocene clay and peat area, Province of Friesland, The Netherlands; Proc. Sixth Int. Symp. on Land Subsidence, Ravenna, 2000

Schokking, F., 2002,
Tension Pile Load Tests in a glacially overconsolidated Clay; Learned and Applied, Soil Mechanics out of Delft, Eds. F.B.J. Barends & P.M.P.C. Steijger, TUDelft, Delft, The Netherlands

Schokking, F., 2004,
Geotechnical behaviour of overconsoldiated, Early-Pleistocene, clays in relation to foundation design and construction of the HSLSouth, Province of Brabant, The Netherlands; Proc. EurEng2004 Symposium; Eds. R. Hack, R. Azzam, R. Charlier

Schokking, F., 2004,
Geological Processes responsible for Land Subsidence in Province of Friesland, The Netherlands (Abstract and presentation); 32nd International Congress, Florence, August, 2004

Schokking, F., 2004,
Risico's op versnelde daling langs Nederlandse kust; Bodemdaling ernstiger dan broeikaseffect (*Risks of accelerated subsidence along the Dutch coast; Land subsidence more threatening than greenhouse effects);* Land+Water, No. 11, November 2004

Schokking, F. & O.S. Langhorst, 2005,
Overgeconsolideerde pleistocene kleilagen in relatie tot het funderingsontwerp van de HSL-Zuid in Noord-Brabant; Geotechniek, 9(2005)4, pp.30-34

Kruse, G.A.M., T.A. Dijkstra & F. Schokking, 2007,
Effects of soil structure on soil behaviour: illustrated with loess, glacially loaded clay and simulated flaser bedding examples; Engineering Geology, Volume 91, Issue 1, p. 34 – 45