

Curriculum vitae



Dieter D. Genske • born 20.12.1956 • German citizenship

Studies of civil engineering and geo-sciences at Bergische Universität Wuppertal (Germany), TH-Aachen (Germany) and University of Kansas (USA)

1980 MSc in Civil Engineering

1985 MSc in Geology

1988 PhD (magna cum laude)

1989 Fellow of the Alexander von Humboldt-Foundation at Kyoto University Japan (1-year programme in co-operation with Japan Society for the Promotion of Science JSPS Tokyo)

1990 Project manager at the Institute of Soil- and Water Protection, Deutsche Montan Technologie DMT Essen Germany

1994 Nominated for chairs at Martin-Luther-Universität Halle Germany and Universität Essen Germany

1994 Full professor of Engineering Geology at TU-Delft Netherlands (until 1997)

Adjunct Professor at the International Institute for Aerospace Survey and Earth Science ITC Enschede/Delft Netherlands • Member of the Scientific Council of the ITC • Director of the Department of Resource Technology and Engineering Geology at the TU Delft • Member of the Governmental Advice Committee Diepe Ondergrond en Bodembescherming (Deep Underground and Ground Protection) • Board member of the GOB Research Group, an interdisciplinary working group on the development of underground spaces • member of Delftse Interfacultaire Onderzoek Center DIOC, an interfaculty working group on water problems in urban environments.

1997 Chair of Environmental Engineering at the Ecole Polytechnique Fédérale de Lausanne / ETH-Lausanne (until 2000)

Director of the 1st Laboratory of Ecotechnics EGS in Switzerland • Director of the European postgraduate programme Ingénierie et Management de l'Environnement (Engineering and Management of the Environment) and the programme Auditeur Environnemental (ISO 14001) • Board of the CREM Recherches Energétiques et Municipales Martigny Switzerland • Member of the E²R³-Group IMD Lausanne.

2000 New Learning Technology Project (CHF 372.000) of the Swiss Federal Institute of Technology (Swiss Virtual Campus)

2001 Chairman of the Network Environmental Geo-Sciences EGS Switzerland

2004 Head of Land Recycling and Remediation Group, Nordhausen University of Applied Sciences ("Small University of Excellence Award 2007", Stifterverband für die Deutsche Wissenschaft/ Heinz-Nixdorf-Stiftung)

2006 Head of the research group Anthroposphere Dynamics at the Institute of Environmental Decisions, ETH Zurich.

Research

Research projects have been carried out in the field of environmental sciences, engineering and sustainable development for:

- Schweizerische Nationalfonds SNF (Swiss National Science Foundation), ETH-Rat (ETH-Research Council), ETH-Forschungsrat CRICEPF, Bourse d'échange EPFZ-EPFL, Alliance for Global Sustainability AGS (an initiative of the MIT Boston, the University of Tokyo and the ETH-Zürich), WHO Geneva, Swiss Agency for Development Co-operation SDC Bern.
- Deutsche Forschungsgemeinschaft DFG, Bundesamt für Bauwesen und Raumordnung BBR Bonn, Bundesministerium für Bildung und Forschung BMBF Berlin, Bundesministerium für Verkehr, Bau und Stadtentwicklung BMVBS Berlin, Institut für Bautechnik IfB Berlin, Freistaat Thüringen, Bundesland Brandenburg.
- NWO Foundation for Technological Sciences STW Netherlands, Ministry of Economic Affairs of the Netherlands, Rijkswaterstaat/DWW, Province of Groningen, EZ/Staats-toezicht op de mijnen, AKZO-Nobel, Nederlandse Aardolie Maatschappij NAM, GOR/COB Underground Space Center TU Delft.
- European Commission.
- Japanese Ministry of Education (Monbushu), Japan Society for the Promotion of Science JSPS Tokyo.

Teaching

Teaching in the field of environmental sciences, engineering and sustainable development at:

- ETH-Zürich Switzerland (2006-date), ETH-Lausanne Switzerland (1997-00), Director of the Programme "Européen d'Etudes Postgrades en Ingénierie et Management de l'Environnement" (European postgraduate programme on engineering and management of the environment, 1997-00), Director of the Programme "Européen d'Etudes Postgrades en Auditeur Environnemental ISO 14001" (European postgraduate programme on environmental auditing ISO 14001, 1997-00)
- TU Delft (Netherlands) and International Institute for Aerospace Survey and Earth Science ITC Enschede/Delft (1994-1997). Director of the European Master Programme "Environmental and Geo-Resource Engineering" in cooperation with the Universities of Cardiff (UK) und Bordeaux (France) and the International Institute for Aerospace Survey and Earth Science ITC Enschede/Delft.
- University of Applied Sciences Nordhausen (2004-date), University of Bonn (1996-98), University of Essen (1993-94), University of Halle-Wittenberg (1993-94).
- Distance Learning Programme: "Interactive Online Training in Environmental Management and Technology (1999-01)". This programme was awarded by the ETH-Board Zürich as outstanding and received a funding of CHF 372000.
- Distance Learning Programme: Cyber lecture on "Semiotics of Waste and Redevelopment" (2003-2005) in co-operation with the Humboldt Universität Berlin and the University of Toronto.
- Research and teaching as visiting professor: University of Kyushu, Japan, Institute of Environmental Systems IES (2003), University of Kyoto, Japan, Graduate School of Engineering, Dept. of Urban and Environmental Engineering (2001), University of Kyoto, Japan, Faculty of Engineering (1999), University of Natal, South Africa, School of Science, Dept. of Geology (1998).

Publications

Books

- Genske DD (2007) Investigation, remediation and protection of land resources. Whittles Dunbeath UK, 292p – This book reflects on the resource "geosphere" and discusses its sustainable utilization.
- Genske DD, Hess-Lüttich EWB (2007) Nordhausen: Spurensuche. Mitteldeutscher Verlag Halle, 128p – This book summarizes the urban development of a medium-size city in Eastern Germany.
- Genske DD (2005) Ingenieurgeologie: Grundlagen und Anwendung [Engineering Geology. Foundations and applications]. Springer Berlin Heidelberg New York, 588p. – This book discusses recent challenges and solutions in the field of engineering geology.
- Genske DD & EWB Hess-Lüttich (2004) Wo steht das Kanzleramt? [An analysis of the German parliament quarter, the Spreebogen-terrain, in time and space]. Be.bra Berlin, 128p (with a foreword by Klaus Wowereit Berlin). – This book explains the urban development of the parliament quarter in Berlin, focussing on both, historical aspects and aspects of geosciences.
- Genske DD (2003) Urban land: degradation, investigation, remediation. Springer Berlin Heidelberg New York, 333p (with a foreword by Klaus Töpfer UNEP). – This book discusses the geo-environmental dimension of urban land with regard to its degradation, investigation and remediation.
- Genske DD (1996) Schadstoffausbreitung in klüftigem Festgestein: Alternativen [Contaminant migration through fractured media: alternative approaches]. Sven von Loga Köln, 160p (Habilitation thesis). – This book presents concepts of modelling of the migration of contaminants in fractured media and introduces alternative approaches.
- Genske DD (1988) Ansatz für ein probabilistisches Sicherheitskonzept ungesicherter Felsböschungen im Rheinischen Schiefergebirge [On the statistics of fractures and their effect on rock slope stability]. Ph.D. thesis, University of Wuppertal Germany, 209p

In addition, 7 editions and co-editions and about 100 papers in refereed journals and books, conference proceedings, bulletins and newsletters.

Synopsis

Dieter D. Genske (1956, German citizenship) studied Civil Engineering and Geology in Germany and the United States and received master degrees in both disciplines. After his PhD, he started working on engineering and environmental problems, first as Humboldt Research Fellow in Kyoto, Japan, then as project manager at Deutsche Montan Technologie DMT, where he became involved in major urban remediation projects, including the International Building Exhibition IBA Emscher Park and the new parliament quarter in Berlin.

During this time he also carried out in close co-operation with the Academy of Media Arts in Cologne the visualisation project Graf Moltke (Ruhr District). Dieter Genske taught at a number of universities including the TU Delft, the Ecole Polytechnique Fédérale de Lausanne EPFL and the ETH-Zurich.

In 2000, he participated in the ETH-New Learning Technology Program with an innovative online learning project. Besides this, he has conducted a number of development projects in low-income countries, especially Africa and Eastern Europe. Universities in Germany, Switzerland, South Africa and Japan invited him as guest professor. Presently, he is head of the Anthroposphere Dynamics Group at the Institute of Environmental Decision, ETH-Zurich.