

Curriculum Vitae

Name: Thomas (Johannes Arnold) Scholten
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Chair of Soil Science and Geomorphology
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Date of birth: 21 November 1960
Place of birth: Rheine/Westfalen, Germany
Nationality: Netherlands (NLD)

Research Topics

Soil Science, Environment, Geomorphology, Geoecology, Soil Erosion, Machine Learning

Education

<i>Institution</i>	<i>Years</i>	<i>Degrees</i>
Justus-Liebig-University, Gießen	1997-2002	Habilitation in Soil Science and in Physical Geography (PD, Dr. habil.)
Westfälische Wilhelms-University, Münster	1991-1996	Ph.D. in Soil Science (Dr. rer. nat.)
Westfälische Wilhelms-University, Münster	1985-1990	Diploma in Physical Geography (Landscape Ecology), Geology and Mineralogy
Bischoff & Klein GmbH, Packaging Manufacturers, Lengerich	1983-1984	Technician, Machine operator
General Hospital 'Haus Widum', Lengerich	1980-1982	Technician
State Grammar School, Lengerich	1970-1979	Abitur (Gymnasium, graduated)
Catholic Primary School, Lengerich	1966-1969	Primary School

Appointments/Affiliations

<i>Institution</i>	<i>Years</i>	<i>Position</i>
Department of Geoscience, Faculty of Science, Eberhard Karls University Tübingen	2005-present	Chair of Soil Science and Geomorphology (full professor)
Institute of Geography, Faculty of Chemistry and Geoscience, Friedrich-Schiller-University, Jena	2002-2004	Full professor for Physical Geography and Soil Science
Institute of Soil Science and Soil Conservation, Faculty of Agriculture, Justus-Liebig-University of Giessen, Germany	1994-2001	Postdoc/Research Scientist (Prof. Dr. Peter Felix-Henningsen)
Institute of Geography, Faculty of Science, Westfälische Wilhelms-University, Münster	1990-1993	Research Assistant, Chair of Landscape Ecology (Prof. Dr. Karl-Friedrich Schreiber)
Institute of Geography, Faculty of Science, Westfälische Wilhelms-University, Münster	1985-1989	Student Assistant, Chair of Climatology and Environmental Studies (Prof. Dr. Wilfried Bach)

International and national recognition and research leadership

Referee for Donor Organizations and Science Foundations including ESF (Europe), SNSF (Switzerland), NWO (Netherlands), FWO (Belgium), CFI (Canada), ÖAW (Austria), AOF (Finland), DFG, Humboldt Foundation, Leibnitz Society, BMBF, DAAD, German National Academic Foundation, BEAF

Referee for international journals in soil science, environmental science, ecology, and geomorphology, member of the editorial board of 'Journal of Plant Nutrition and Soil Science' (JPNSS) and 'Pedosphere', editor of 'Zeitschrift für Geomorphologie/Annals of Geomorphology' (ZfG), principle editor of 'Tübinger Geographische Studien' (TGS), and principle editor of 'RESOURCECULTURES', Tübingen University Press (TUP).

<i>Institution</i>	<i>Years</i>	<i>Position</i>
Eberhard Karls University of Tübingen (UT)	2021-	Elected member of the Steering Committee in the Cluster of Excellence 'Machine Learning - New Perspectives for Science' of the German Research Foundation (DFG)
German National Academy of Science and Engineering (Acatech)	2020	Invited member of the working group 'Resilient and Sustainable Food Supply in the Coronavirus Crisis'
German National Academy of Science and Engineering (Acatech)	2019-2021	Chair of the working group 'Pathways to Sustainable Nitrogen Management'
Eberhard Karls University of Tübingen (UT)	2019-	Principle Investigator in the Cluster of Excellence 'Machine Learning - New Perspectives for Science' of the German Research Foundation (DFG)
Eberhard Karls University of Tübingen (UT)	2017-	Co-Speaker of the Collaborative Research Center (SFB 1070) 'ResourceCultures' of the German Research Foundation (DFG)
Leibniz Association	2016-	Invited member of the Senate Competition Committee (SAW)
German National Academy of Science and Engineering (Acatech)	2016-	Academician (full lifetime member)
Eberhard Karls University of Tübingen (UT)	2016-	Elected member of the Advisory Board of the excellence plattform 3 'Environmental System Analysis'
Friedrich Schiller University Jena, Germany	2015-	Invited member of the Advisory Board of the Faculty of Chemistry and Earth Sciences
Federal Ministry of Research and Education (BMBF)	2015-	Chair of the Scientific Advisory Board of BonaRes (Soil as a natural resource) at the Helmholtz Centre for Environmental Research - UFZ
United Nation Food and Agricultural Organization (UN FAO)	2015	Co-author of UN FAO Global Soil Partnership Research Strategy
Federal Ministry of Research and Education (BMBF)	2014-	Invited member of Scientific Advisory Board for the development of a China-Strategy in the field of Environmental

		Technology/Water/Climate/Geosciences/Polar-and Marine Research (official expert)
Eberhard Karls University of Tübingen (UT)	2014-	Elected member of the Commission on Quality Management of the University of Tübingen
Eberhard Karls University of Tübingen (UT)	2013-	Elected member of the Structural Commission of the Senate of the University of Tübingen
Eberhard Karls University of Tübingen (UT)	2013-	Council member of the Collaborative Research Centre (SFB) 1070 'ResourceCultures' of the German Research Foundation (DFG)
Federal Ministry of Research and Education (BMBF)	2013-2020	Invited member of the Scientific Advisory Board of the GFZ German Research Centre for Geosciences (Helmholtz Centre Potsdam)
Federal Ministry of Research and Education (BMBF)	2013-2019	Invited member of the Scientific Advisory Board "Nachhaltiges Landmanagement – Innovative Systemlösungen"
Federal Ministry of Environment (BMU)	2013-	Invited member of the Scientific Advisory Board "EU-Bodenrahmenrichtlinie"
Eberhard Karls University of Tübingen (UT)	2010-	Elected member of Research Commission of the Faculty of Science
German Research Foundation (DFG)	2006-2009	Invited member of the China Working Group of the Senate Commission Water Research (KoWa)
Eberhard Karls University of Tübingen (UT), Department of Geoscience	2007-	Steering group member, vice-speaker since 2011
Eberhard Karls University of Tübingen (UT), Department of Geoscience, Institute of Geography	2006-	Director 2006-2011, vice-speaker 2012-2015, speaker since 2016, chairman of the audit committee for BSc, MSc and MA courses in Geography 2015-2019
German Geographical Society (VGDH)	1998-	Working group member of Geomorphology since 1998
German Federal Association of Soil Science (BVB)	1996-	Individual member, invited member of Expert group on Soil Erosion and Soil Protection 1998-2004
European Society for Soil Conservation (ESSC)	1994-	Individual member, council and steering committee member since 2004
German Society of Soil Science (DBG)	1989-	Individual member, past president 2016-2019, president 2012-2015, vice president 2008-2011, council member since 2006, chairman of Commission V 'Soil Genesis, Soil Classification and Soil Mapping' 2006-2007, working group on Paleopedology AKPP since 1994

Publications and research projects

Professor Scholten has published widely in soil science, environmental science and geoscience, having authored 9 books, 228 refereed papers and 378 conference papers. He has received research grants from over 15 institutions, principally the European Union (EU), the German Research Foundation (DFG) and the German Federal Ministry of Education and Research (BMBF).

For more information on publications and research projects see www.uni-tuebingen.de/soilscience

Short CV

Thomas Scholten is Professor of Soil Science and Geomorphology. His areas of expertise and research activities are mainly concerned with soil science, environment, geomorphology, geoecology, soil erosion and machine learning in soil science. Fieldwork is based in Europe, Africa and Asia with main research projects in South Africa, Swaziland, Sudan, Israel, China, Nepal, Switzerland and Germany. Professor Scholten has published widely in soil science, environmental science and geoscience, having authored 9 books, 228 refereed papers and 378 conference papers. He has received research grants from over 15 institutions, principally the European Union (EU), the German Research Foundation (DFG) and the German Federal Ministry of Education and Research (BMBF). He is a referee for a wide range of international journals, acted as guest editor for *Geoderma*, *Catena*, *Soil Systems*, *Agronomy*, *Frontiers in Earth Science* and currently serves on the editorial boards of several journals including *Journal of Plant Nutrition and Soil Science*. Since 2004, Thomas Scholten is council member of the European Society for Soil Conservation (ESSC). Since 2006, he is the director of the Institute of Geography at Tübingen University. From 2012-2015, he was President of the German Soil Science Society (DBG). In 2016, he was elected as member of German National Academy of Science and Engineering (acatech). Since 2017 he is co-speaker of the Collaborative Research Center (SFB 1070) 'ResourceCultures' of the German Research Foundation (DFG) and since 2019 principle investigator in the Cluster of Excellence 'Machine Learning - New Perspectives for Science' at Tübingen University. Additionally, he is well involved in different expert groups and reviewer for several scientific donor organizations.

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