

## Curriculum Vitae

**Prof. Dr.-Ing. Martin Ziegler**

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## Personal

Current position:

Managing Director of ZAI- Consulting Engineers (Ziegler und Aulbach Ingenieurgesellschaft mbH, [www.zai-ingenieure.de](http://www.zai-ingenieure.de))

until 30<sup>th</sup> September 2020:

Professor of Chair of Geotechnical Engineering and Institute of Foundation Engineering, Soil Mechanics, Rock Mechanics and Waterways Construction at RWTH Aachen University ([www.geotechnik.rwth-aachen.de](http://www.geotechnik.rwth-aachen.de))

Date of birth: 24 February 1954 in Oberkirch/Germany, married, 3 children

## Education and Professional Career

1973-1979	Studies of civil engineering at the University of Karlsruhe, Extension Course Soil Mechanics and Substructure
1979-1980	Postgraduate Studies of Soil Mechanics at the Institute for Soil Mechanics and Rock Mechanics
1980-1987	Scientific Assistant at the above-mentioned institute
03.07.1986	Ph.D.-thesis "Calculations of the displacement dependent soil pressure in sand"
1987-1998	Construction Company: Philipp Holzmann AG in Frankfurt, Bremen, Düsseldorf, Essen and Nürnberg. Main focus on: infrastructural projects, tunnel engineering, hydraulic engineering, landfill remediation, soil purification
1998-2000	Managing Director of Philipp Holzmann Planungsgesellschaft mbH in Neu-Isenburg In charge of: business administration, Department of Infrastructure, Department for Project- and Claim Management
4/2000-9/2020	University Professor for Geotechnical Engineering at RWTH Aachen University
since 5/2013	Managing Director of ZAI Consulting Engineers

**Main Research:**

Application of geosynthetic reinforcement in geotechnical engineering  
Near-surface and deep geothermal applications  
Numerical analysis of ground freezing applications  
Interfacial processes between mineral and tool surfaces of tunnel boring machines  
Hydraulic heave and uplift  
Application of adsorption mats for shock isolation

**Affiliations:**

German Geotechnical Society (Deutsche Gesellschaft für Geotechnik (DGGT))  
Research Association for Tunnels and Transportation Facilities (STUVA)  
Centre of International Structural and Civil Engineering Law (CBTR)  
International Geosynthetics Society (IGS)

**Held Offices:**

Chairperson of the board of Research Association for Tunnels and Transportation Facilities (Studiengesellschaft für Tunnel und Verkehrsanlagen e.V. (STUVA)) since December 2003

Advisory board member for the Centre of International Structural and Civil Engineering Law (Internationales Bau- und Tiefbaurecht, CBTR) since July 2004

Member of the board of the German Geotechnical Society (Deutsche Gesellschaft für Geotechnik, DGGT) since January 2006

President of the special section "Geosynthetics in Geotechnics" of DGGT and of the German Chapter of the International Geosynthetics Society (IGS) since January 2006

Council member of the IGS from September 2008 to September 2020

Member of Committee NA 005-05-01 AA "Subsoil-Verification of the safety of earthworks and foundations", German Code of Practise DIN 1054

**Publications:**

<https://www.gut.rwth-aachen.de/cms/Geotechnik/Das-Institut/Team/~liwqf/Martin-Ziegler/>

Bensheim, 27<sup>th</sup> January 2023

