

# Heinz Konietzky, Prof. Dr.-Ing. habil.

TU Bergakademie Freiberg  
Geotechnical Institute  
Gustav-Zeuner-Straße 1  
D-09599 Freiberg  
Germany

Tel. +49 3731 39 2519  
Fax. +49 3731 39 3638  
Email [heinz.konietzky@ifgt.tu-freiberg.de](mailto:heinz.konietzky@ifgt.tu-freiberg.de)  
Web-page: <http://geotechnics.webador.de>

## Current position

University Professor (W3), Chair for Rock Mechanics and Rock Engineering + Head of Rockmechanical Laboratory

## Academic training

1982 – 1989 Study of Geotechnical Engineering at TU Bergakademie Freiberg

## Academic degrees

2001 Habilitation in Geotechnical Engineering (Topic: Numerical Simulations)  
1989 PhD in Geotechnical Engineering (Topic: Mining Induced Seismicity)

## Scientific and professional career since graduation

2011 – 2023 Director of the Geotechnical Institute at TU Bergakademie Freiberg

2006 - Present Professor (W3) of Rock Mechanics and Rock Engineering with own integrated Rockmechanical Lab at TU Bergakademie Freiberg: Fundamental and applied research and education in rock mechanics and rock engineering, review and consulting activities

2006 – 2019 ITASCA Senior Consultant: Worldwide consulting services and review work for civil engineering, mining and radioactive waste projects

1993 – 2005 Company Manager of ITASCA Consultants GmbH, Gelsenkirchen, Germany: Worldwide consulting services and software development for civil engineering, mining and radioactive waste projects as well as in the field of material sciences and process engineering

1991 – 1992 ITASCA Consultants S.A., Ecully, France: Consulting services for civil engineering, mining and radioactive waste projects

1989 - 1991 Young scientist and project engineer: Mesy GmbH / Ruhr-University Bochum (Prof. Rummel): worldwide borehole testing, lab testing, geothermal energy research

## Functions and honours

2001 Kögler-Special-Award of Society of Geotechnical Engineers Freiberg  
since 2007 Core member of Freiberg High Pressure Research Center  
2007 - 2015 Core member of European Geogrid Expert Panel (EGEP)  
2008 - 2012 Core member of FedIGS (umbrella organisation of ISRM, ISSMGE and IAEG)  
since 2011 Examiner and Consultant for the Mining Authority Saxony  
since 2011 Reviewer for the Mining Authority of Saxony-Anhalt  
since 2015 Editorial board: Theoretical & Applied Mechanics Letters  
since 2015 Member of Int. Advisory Board, Institute of Geonics, Czech Academy of Sciences  
since 2015 Editorial board: Journal of Rock Mechanics and Geotechnical Engineering  
2016 Franklin-Award of the International Society of Rock Mechanics (ISRM)  
since 2016 Editorial board: Rock Mechanics Rock Engineering  
since 2017 Appointed consultant for the Mining Authority West (Austria)  
since 2019 Member of the EGT (ENSI, Switzerland)  
since 2021 Editorial board: Int. Journal of Coal Science & Technology  
since 2022 Editorial board: Deep Underground Science and Engineering

since 2022 Member of ISRM Commission on Testing Methods (SM direct tensile tests / SM transverse isotropic rocks)  
since 2022 Member of Int. Committee on Mine Safety Science and Engineering: ICMSSE  
since 2023 Editorial board: Journal of Industrial Safety  
since 2024 Editorial board: Deep Resources Engineering  
since 2024 Member of the ISRM Commission: Beyond Limits – Rocks in the Face of Extreme Conditions  
since 2024 Editorial board: Green and Smart Mining Engineering  
since 2024: Member of the ISRM Commission: Rock Mass Strength and Deformability  
since 2025: Chief editor: GeoEnergy Communications

## **Publications**

SCOPUS: h-index: 45, citations: 5699, 188 papers  
Google Scholar: h-index: 49, citations: 7377, i10-index: 148  
AD Scientific: h-index: 49, citations: 7270, i10-index: 147

- Member and/or leader of many national and international research projects
- Supervisor of 35 PhD students (already finished and successfully defended thesis) from different countries in Europe, Asia and Africa
- Reviewer of many PhD thesis all over Europe; Asia and North America
- Host of 8 Humboldt scholars
- Conduction of training courses in Rock Mechanics/Rock Engineering and Numerical Simulations all over Europe, Asia and Africa
- Guest lecturer at several universities and research organisations all over Europe and Asia
- Consulting work for the industry (mainly: mining, civil engineering, waste disposal)
- Expert activities for ministries, authorities, court and companies

**Dated: March 2025**