

Curriculum Vitae

Prof. Dr. Matthias Bucker



Research Topics

Geoelectrical and electromagnetic methods with a focus on induced polarization
Pore-scale modelling and mechanistic understanding of electrical properties of geological materials
Hydro- and biogeophysics

Current Position

Since 10/2024 **Professor for Applied Geophysics**
Christian-Albrechts-Universität zu Kiel
Institut of Geosciences

www.appliedgeophysics.ifg.uni-kiel.de/de



Scientific Background

2022-09/2024 **Juniorprofessor for Urban Geophysics**, Institute of Geophysics and extraterrestrial Physics, Technische Universität Braunschweig, Braunschweig, Germany



2018-2021 **Research Assistant (Postdoc)**, Institute of Geophysics and extraterrestrial Physics, Technische Universität Braunschweig, Braunschweig, Germany
With Prof. Andreas Hördt



2017-2018 **Research Assistant (Predoc)**, Department of Geodesy and Geoinformation, Technische Universität Wien, Vienna, Austria
With Ass. Prof. Dr. Adrián Flores Orozco



2012-2018 **Doctoral studies (Dr. rer. nat.)**, Applied Geophysics Group, Steinmann Institute, University of Bonn
With Prof. Dr. Andreas Kemna



2012-2018 **Geophysical consultant (freelance)**, Mexico City, Mexico

2015-2016 **Research geophysicist**, Department of Civil Engineering at Comisión Federal de Electricidad, Mexico City, Mexico



2013/2015 **Research Assistant (Predoc)**, Applied Geophysics Group, Steinmann Institute, University of Bonn, Bonn, Germany
With Prof. Dr. Andreas Kemna



2011-2012 **Research geophysicist**, Geotem Ingenieria S.A. de C.V., Mexico City, Mexico



2005-2011 **Physics studies (Bachelor and Master degree)**, Technische Universität Braunschweig, Braunschweig, Germany



2003-2005 **Architecture studies (Diploma, discontinued)**, Technische Universität Braunschweig, Braunschweig, Germany

Scholarships and Awards

2023 **Member of the Young Braunschweig Scientific Society**

2018 **Ludger Mintrop Award** of the European Association of Geoscientists & Engineers (EAGE) for the best publication of the year 2017 in Near Surface Geophysics

2015 **Günter-Bock Award** of the German Geophysical Society (DGG) for an excellent publication in the area of geophysics

2013 – 2014 **DAAD PhD scholarship** for a research visit at the Instituto de Geofísica, Universidad Nacional Autónoma de México (UNAM), Mexico

2011 **Walter Kertz Study Award**, outstanding student award presented by the Faculty of Electrical Information Engineering, Technology, Physics of the Technische Universität Braunschweig

2009 **DAAD MSc Scholarship** for a semester abroad at the Universidad Nacional de San Juan, Argentina