

Curriculum Vitae

Personal

Name : Jan van der Kruk
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Research Interests

- Hydrogeophysics
- Geophysical Imaging and Inversion Techniques
- Seismic and Electromagnetic Wave Propagation
- Environmental and Engineering geophysics

Experience

Okt. 2008 - Present **Professor (W2) in Hydrogeophysics**, RWTH Aachen, Germany
Research group leader "High resolution hydrogeophysical imaging and characterisation", Agrosphere Institute (IBG-3), Research Center Juelich, Germany

Jan. 2005 - Sep 2008 **Senior Researcher at the "Oberassistenten" level**, Institute of Geophysics, ETH Zürich

Sept.2001 - Dec. 2004 **Researcher at the "Assistenten" level**, Institute of Geophysics, ETH Zürich

Jun. 2001 - Aug.2001 **Research Assistant**, Laboratory of Electromagnetic Research, Delft University of Technology

Education

1996 - 2001 **Ph.D. Geophysics**, Section of Applied Geophysics, Delft University of Technology
Thesis title: Three-Dimensional imaging of Multi-component Ground Penetrating Radar Data

1990 - 1995 **M.Sc. Electrical Engineering**, Laboratory of Electromagnetic Research, Delft University of Technology
Thesis title: The determination of the apparent resistivity of the Earth from electromagnetic sounding with magnetic dipoles

Lecture courses given:

- Okt. 2009 - Present Hydrogeophysics (RWTH Aachen)
- Mai. 2009 - Jun. 2019 Field course Geophysics, Hydrogeology und Engineering geology (RWTH Aachen)
- Mai. 2009 - Jun. 2019 Applied Geophysics II (Elektromagnetics, GPR) (RWTH Aachen)
- Okt. 2009 - Feb. 2010 Applied Geophysics I (Seismics) (RWTH Aachen)
- Mar. 2006 - Jun. 2008 Reflection Seismic 2 (ETH Zürich)
- Sept.2005 - Feb. 2008 Engineering and Environmental Geophysics (ETH Zürich)
- Sept.2001 - Feb 2005 Reflection Seismic 1 (ETH Zürich)
- Jun. 1996 - Jul. 2000 Field course Electromagnetic Exploration Methods (Delft University of Technology)

Professional Memberships

- Society of Exploration Geophysicists (SEG)
- European Association of Geoscientist and Engineers (EAGE)
- American Geophysical Union (AGU)
- European Geophysical Union (EGU)
- Deutsche Geophysikalischen Gesellschaft (DGG)

Awards

- Key note lecturer GPR 2018 Conference, Rapperswil, Switzerland, 2018
- Harold Mooney Award, 2014, Near Surface Geophysics Section of the Society of Exploration Geophysicists.
- Key note lecturer International Conference on Environmental and Engineering Geophysics, China, 2010, 2012, 2014
- Honorable Mention in the category of Best Paper in Geophysics 2006 for "Separate and joint dispersion inversion of TE and TM GPR data for properties of a thin-surface waveguide" by J. van der Kruk, R. Streich, and A.G. Green
- Best Paper Award 2000, Department of Applied Earth Sciences, Delft University of Technology for "An apparent resistivity concept for low frequency electromagnetic sounding techniques" by J. van der Kruk, J.A.C. Meeke, P.M. van den Berg and J.T. Fokkema, published in Geophysical Prospecting

International Duties

Sept. 2017	Organiser of the 12 th Georadar Rundtisch Gespräch an der RWTH Aachen
2016 -2017	Guest editor for the GPR2016 special issue in IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing
Okt. 2015	Organiser of the 11 th Georadar Rundtisch Gespräch an der RWTH Aachen
Aug. 2015 - Present	Member of the Executive Board of the Joint Masters on Applied Geophysics
Jun. 2015	Co-organiser of the EAGE Workshop "Full-Waveform Inversion for Near-surface Characterization" at the 77th EAGE Conference & Exhibition 2015
2013 -2014	Guest editor for the IWAGPR2013 special issue in Near Surface Geophysics
Mar. 2012	Presenter of a SEG online Virtual Class about "Full-waveform Inversion of Ground Penetrating Radar Data"
July 2012	Co-organiser of the SEG-AGU Hydrogeophysics Workshop in Boise, U.S.A.
Jan. 2012 - Present	Adjunct Professor, Waterloo University, Canada
2011 -2012	Guest editor for the IWAGPR2011 special issue in Near Surface Geophysics on "Ground-penetrating Radar for Hydrogeophysical and Subsurface Property Modelling and Inversion"
Sep. 2011 - Nov. 2014	Member of the Geoscientists Without Borders committee
June 2011	Organiser of the International Workshop on Advanced Ground Penetrating Radar (IWAGPR) in Aachen, Germany
2011	Guest editor for the special section in The Leading Edge on "Geoscientists without borders"
Sep. 2010 - 2013	Member of the Near-Surface Geophysics Task Force
Sep. 2010 - Aug. 2015	Member of the Examination Board of the Joint Masters on Applied Geophysics (www.idealeague.org/geophysics)
Nov. 2008 - Nov. 2011	President-elect/President/Past-President of the Near-Surface Geophysics Section of the Society of Exploration Geophysicists (nsgs.seg.org)
2009	Member of Technical Program Committee SEG 2009
2009 -2010	Guest editor for the special issue in Geophysics on Hydrogeophysics - Electric and Electromagnetic Methods
Mar. 2009 - Present	Associate editor GPR for Geophysics
Jan. 2002 - Mar. 2009	Associate editor GPR for Geophysical Prospecting
Okt. 1997 - Dec. 2001	Assistant editor of Geophysical Prospecting

Regular reviewer for Geophysics, Geophysical Prospecting, Geophysical Journal International, Vadose Zone Journal, Hydrology, IEEE Transactions on Geoscience and Remote Sensing, Radio Science, Journal of Applied Geophysics, Geophysical Research Letters, Near Surface Geophysics, Journal of Environmental and Engineering geophysics, Water Resources Research, Geoderma, Progress in Electromagnetic Research, Cold Regions Science and Technology, IEEE Geoscience and Remote Sensing Letters, Journal of Geophysics and Engineering.

Regular reviewer for SEG, EAGE, NSG, IGARSS, GPR, and IWAGPR conference abstracts

Invited Presentations

- Oct 2018 **J. van der Kruk**, von Hebel, C., Brogi, C., Kaufmann, M.S., Tan, X., Weihermüller, L., Huisman, J.A., Vereecken, H., Mester A., Calibration, inversion and applications of multi-configuration EMI for agricultural top-and subsoil characterization, 88th Conference and Technical Exhibition, Anaheim, U.S.A., 14-18 October 2018
- Jun 2018 **J. van der Kruk**, Liu, T., Mozaffari, A., Gueting, N., Klotzsche, A., Vereecken, H., Warren, C., Giannopoulos, A., GPR full-waveform inversion, recent developments, and future opportunities, Key Note Lecture at 17th International Conference on Ground Penetrating Radar (GPR), Rapperswil, Switzerland 18-21 June 2018
- Dec 2015 **J. van der Kruk**, A. Mangel, N. Gueting, S. Busch, A. Klotzsche, S.M. Moysey, J.A. Huisman, H. Vereecken, GPR waveguide and full-waveform inversion for the hydrogeophysical characterization of soils and aquifers,, AGU Fall Meeting 2015, San Francisco, 14-18 December 2015
- Nov 2015 **J. van der Kruk**, Georadar Workshop, DGG/BDG-Seminar "Oberflächennahe Erkundung", Neustadt, 11-13 November 2015
- Dec 2014 **J. van der Kruk**, X. Yang, A. Klotzsche, C. von Hebel, S. Busch, A. Mester, J.A. Huisman, H. Vereecken, Recent advancements in quantitative full-wavefield electromagnetic Induction and ground penetrating radar inversion for shallow subsurface characterization, AGU Fall Meeting 2014, San Francisco, 15-19 December 2014
- Dec 2014 **J. van der Kruk**, Recent developments in time- and frequency-domain full-waveform inversion of GPR data, Seminar of the Geophysical Institute, Karlsruhe Institute of Technology, Karlsruhe, Germany
- June 2014 **J. van der Kruk**, A. Klotzsche, C. von Hebel, S. Rudolph, L. Weihermüller, A. Mester, Xi Yang, H. Vereecken, Large Scale-multi-layer Electromagnetic Induction Inversion and Full-Waveform Inversion of Ground Penetrating Radar, 6th International conference on Environmental and Engineering Geophysics, Xi'An, China

- Mai 2014 **J. van der Kruk**, A. Kalogeropoulos, J. Hugenschmidt, A. Klotzsche, S. Busch, and H. Vereecken, Full-waveform inversion of GPR data for civil engineering applications, European Geosciences Union, General Assembly 2014, Vienna, Austria
- Sep. 2013 **J. van der Kruk**, Full-waveform inversion of surface ground penetrating radar and coupled hydrogeophysical inversion for soil hydraulic property estimation, Rundtischgespräch Georadar, Freiberg, Germany
- June 2012 **J. van der Kruk**, High Resolution Electromagnetic Imaging and Characterisation, Seminar Aktuelle Forschungsthemen, Institute of Geosciences, Kiel University, Germany
- June 2012 **J. van der Kruk**, A. Klotzsche, A. Mester, S. Busch, G. Meles, H. Vereecken, High resolution Electromagnetic Imaging and Characterisation, 5th International conference on Environmental and Engineering Geophysics, Changsha, China
- May 2012 **J. van der Kruk**, A. Klotzsche, A. Mester, S. Busch, G. Meles, H. Vereecken, High resolution electromagnetic hydrogeophysical Imaging, Sixteenth International Water Technology Conference IWTC 2012, Istanbul, Turkey
- Mar. 2012 **J. van der Kruk**, SEG online Virtual Class about "Full-waveform Inversion of Ground Penetrating Radar Data"
- Nov. 2011 **J. van der Kruk**, Full-waveform modeling and inversion of high frequency electromagnetic data, International Symposium on Non Destructive Testing and Evaluation: Physics, Sensors, Materials and Information, Nantes, France
- Okt. 2011 **J. van der Kruk**, Neuste Ergebnisse der Vollen Wellenfeldinversion und Dispersioninversion von Georadar Daten, 9. Rundtisch-Gespräch, Freiberg, Germany
- Apr. 2011 **J. van der Kruk**, A. Kalogeropoulos, J. Hugenschmidt, S. Busch, and K. Merz, Full-waveform inversion of ground penetrating radar data to assess chloride and moisture content in concrete, European Geosciences Union, General Assembly 2011, Vienna, Austria
- Apr. 2011 **J. van der Kruk**, A. Klotzsche, G. Meles, A. Mester, R. Jacob, J. Doetsch, N. Linde, H. Maurer, A. Green, H. Vereecken, High resolution Hydrogeophysical Imaging and Characterisation, Fifteenth International Water Technology Conference IWTC 2011, Alexandria, Egypt
- Oct. 2010 **J. van der Kruk**, A. Klotzsche, G.A. Meles, R.W. Jacob, J.A. Doetsch, N. Linde, H. Maurer, A.G. Green, H. Vereecken, High Resolution Hydrogeophysical Imaging and Characterisation, Geodarmstadt 2010, Darmstadt, Germany
- Oct. 2010 **J. van der Kruk**, Full-Waveform Inversion and Waveguide Inversion of Ground Penetrating Radar Data, Department of Geosciences, Boise, USA

- June 2010 **J. van der Kruk**, Francois Lavoue, Quantitative vs. Qualitative Usage of EMI Data, CEN Workshop: Best Practice Approach for electromagnetic induction measurements of the near surface, Leipzig, Germany
- June 2010 **J. van der Kruk**, Giovanni Meles, Anja Klotzsche, Rob Jacob, Joseph Doetsch, Niklas Linde, Hansruedi Maurer, Harry Vereecken, Alan Green, High resolution Ground Penetrating Radar Imaging and Characterisation, ICEEG-NSGS Workshop on Geophysics and Geohazards, Wuhan, China
- June 2010 **J. van der Kruk**, Giovanni Meles, Anja Klotzsche, Rob Jacob, Joseph Doetsch, Niklas Linde, Hansruedi Maurer, Harry Vereecken, Alan Green, High resolution Ground Penetrating Radar Imaging and Characterisation, 4th International conference on Environmental and Engineering Geophysics, Chengdu, China
- June 2010 **J. van der Kruk**, Rita Streich, Towards True-Amplitude Imaging of GPR Data using Exact Radiation Patterns, 8th European conference on Synthetic Aperture Radar (EUSAR), Aachen, Germany
- May 2010 **J. van der Kruk**, Rob Jacob, Colby Steelman, Tony Endres, Harry Vereecken, Identifying Dispersive GPR Signals and Inverting for Surface Waveguide Properties, European Geosciences Union, General Assembly 2008, Vienna, Austria
- Oct. 2009 **J. van der Kruk**, Rita Streich, True-amplitude GPR Imaging using Exact Radiation Patterns, Workshop on Near-Surface Seismology and Ground Penetrating Radar, SEG conference, Houston, USA
- July 2008 **J. van der Kruk**, Inversion of Dispersive GPR Data Recorded Across Multilayer Waveguides, IEEE International Geoscience & Remote Sensing Symposium Boston, U.S.A
- July 2008 **J. van der Kruk**, Analysis of Polarization Effects of Buried Pipes in Vector-Migrated 3-D Ground-Penetrating Radar Data, IEEE International Geoscience & Remote Sensing Symposium Boston, U.S.A
- Apr. 2008 G. Meles J.R. Ernst, **J. van der Kruk**, A. Green, H. Maurer, and K. Holliger, Recent Developments in Full-Waveform Inversion of Georadar Data, European Geosciences Union, General Assembly 2008, Vienna, Austria
- May 2005 R. Streich, **J. van der Kruk** and A.G. Green, New Developments in High-Resolution Multicomponent Georadar Imaging, AGU Joint Assembly, New Orleans, USA, NS34A-04
- July 2002 **J. van der Kruk**, Three-Dimensional Imaging of Multi-Component Ground Penetrating Radar Data, Progress in Electromagnetics Research Symposium, Cambridge, Massachusetts, USA
- Apr. 2002 **J. van der Kruk**, "Three-Dimensional Imaging of Multi-Component GPR Data" Short course at the Ninth International conference on Ground Penetrating Radar, 2002, Santa Barbara, USA

June 2001 **J. van der Kruk**, Three-Dimensional imaging of Multi-Component Ground Penetrating Radar Data, International Symposium on the State of the Art of GPR, Delft University of Technology, Holland

Contributions to Tutorials, Short Courses, and Training Schools

June 2018 Workshop on GPR Full-Waveform Inversion at the GPR 2018 Conference, Rapperswil, Switzerland.

Nov. 2015 Visiting Professor at the China University of Geosciences in Wuhan, Lectures on GPR and EMI.

Sept 2014 Principles of imaging/migration and full-waveform inversion of GPR Data, COST ACTION TU 1208 Civil Engineering Applications of Ground Penetrating Radars Training School, Pisa, Italy.

July 2014 GPR tomography using full-waveform inversion, Workshops and tutorials at the GPR conference 2014, Brussels, Belgium.

May 2008 Surface and Borehole Ground Penetrating Radar, 31th ZLG Short Course on Hydrogeophysics - New Geophysical Tools for Hydrological Investigations, Karthause Ittingen, Switzerland.

April 2002 3-D Imaging of Multi-component Georadar Data, Three-dimensional Acquisition, Processing and Imaging of Ground Penetrating Radar, Tutorial 2 at the 9th International Conference on Ground Penetrating Radar, Santa Barbara, California, USA.

Principal and co-supervisor of the following PhD Students:

- Jessica Schmäck, Large-scale EMI and GPR hydrogeophysical soil characterization, Forschungszentrum Juelich/RWTH Aachen, in prep.
- **Best Poster Award** at IWAGPR2021
- Peleg Haruzi, High resolution imaging of transport processes with GPR full-waveform inversion, Forschungszentrum Juelich/RWTH Aachen, in prep.
- Amirpasha Mozaffari, Towards 3D GPR Full-waveform inversion of Crosshole GPR data, Forschungszentrum Juelich/RWTH Aachen, 2022
- Yi Yu, Modeling and inversion of surface GPR data using dispersion and full-waveform properties, Forschungszentrum Juelich/RWTH Aachen, 2021.
- Zhen Zhou, combined reverse time migration and full-waveform GPR inversion, Forschungszentrum Juelich/RWTH Aachen, 2020.
- Igor Dal Bo, Weathering front characterization with EMI and GPR in Chile, Forschungszentrum Juelich/RWTH Aachen, in prep.
- Manuela Kaufmann, Large-scale EMI and GPR hydrogeophysical soil characterization, Forschungszentrum Juelich/RWTH Aachen, in prep.
- Tao Liu, Radius estimation of cylindrical objects using GPR FWI, NUDT China/Forschungszentrum Juelich, 2018.

- **Best Student Paper Award** at IWAGPR2017

- Xihe Tan, Development of electromagnetic induction measurement and inversion methods for soil electrical conductivity investigations, Forschungszentrum Juelich/RWTH Aachen, 2020.
- Nils Güting, Imaging and characterization of spatial connectivity in a heterogeneous alluvial aquifer, Forschungszentrum Juelich/Bochum University, 2017.
 - **Outstanding Student Presentation Award** AGU 2015 Fall meeting
 - **EOS Research Spotlight: New Ground-Penetrating Radar Method shows Promise in Aquifer** (doi:10.1029/2017EO066601): about WRR Paper (doi:10.1002/2016WR019498)
- Christian von Hebel, Large scale estimation of evaporation and groundwater recharge from soil moisture content using Multi-configuration Electromagnetic Induction sensing, Forschungszentrum Juelich/RWTH Aachen, 2016
- Xi Yang, Full waveform inversion of ground penetrating radar data, Forschungszentrum Juelich/RWTH Aachen, in prep.
- Achim Mester, 2014, Monitoring of soil water content with multi-frequency three-component induction sensor array, Forschungszentrum Juelich/RWTH Aachen.

- **Prof. Dr. Karl-Heinrich Heitfeld-Stiftung Preis 2015**

- Sebastian Busch, 2013, Full-waveform inversion of surface GPR data for hydrogeological applications, Forschungszentrum Juelich/RWTH Aachen.
- Anja Klotzsche, 2013, Full-waveform inversion of crosshole GPR data for hydrogeological applications, Forschungszentrum Juelich/RWTH Aachen.
 - **Preisträger des Helmholtz-Doktorandenpreises 2014**
 - **Tomography Bake-Off Prize for the best Inversion results** SEG-AGU Hydrogeophysics Workshop 2012, Boise.
 - **Young Scientist Best Paper Award GPR 2012 conference**
 - **Young Scientist Best Paper Award GPR 2010 conference**
- Alexis Kalogeropoulos, 2012, Non-destructive-detection of chlorides and moisture in multi-layer structural elements such as concrete bridge decks using high frequency electromagnetic waves, EPFL Lausanne, EMPA, Forschungszentrum Juelich.
- Giovanni Meles, 2011, True amplitude recovery of multifold multicomponent georadar data, ETH Zürich
- Rita Streich, 2006, Processing and imaging algorithms for multi-offset multicomponent georadar data, ETH Zürich
 - **Young Scientist Best Paper Award at GPR 2006 conference**
 - **Student Award of Merit 2006 at the SEG 2005 conference**
- Bjoern Heincke, 2005, Evaluating fractures using various geophysical tech-

niques (seismic, georadar), ETH Zürich

Principal and co-supervisor of the following Postdocs:

2016 -2020 Christian von Hebel, Forschungszentrum Juelich

2013 -2019 Anja Klotzsche, Forschungszentrum Juelich

2016 -2018 Hui Wang, RWTH Aachen & Forschungszentrum Juelich

2012 -2015 Daniel Altdorff, Forschungszentrum Juelich

2009 -2012 Jutta Bikowski, Forschungszentrum Juelich

Principal and co-supervisor of the following BSc. and MSc. Students:

- Tobias Ganther, 2019, Large-scale soil electrical conductivity patterns of two electromagnetic induction and two direct current systems, B.Sc. student, Forschungszentrum Juelich/RWTH Aachen
- Nasim Nassar, 2019, Imaging of spatial and temporal soil water content variations at the rhizotron scale below maize using horizontal crosshole ground penetrating radar - Selhausen test site - 2018, M.Sc. student, Forschungszentrum Juelich/RWTH Aachen
- Michael Iwanowitsch, 2018, Investigating soil water dynamics using repeated quantitative rigid boom multi-coil EMI measurements and inversions, M.Sc. student, Forschungszentrum Juelich/RWTH Aachen
- Lena Laerm, 2018, Investigating the spatial and temporal soil water content variations at the rhizotron-scale using time-lapse horizontal borehole GPR data and coupled hydrogeophysical inversion, M.Sc. student, Forschungszentrum Juelich/RWTH Aachen
- Durra Saputera, 2018, 3D Multi-configuration Electromagnetic Induction Modeling and Inversion for Improved Shallow Subsurface Characterization, Joint M.Sc. student, Forschungszentrum Juelich/RWTH Aachen
- Mykola Khyzhnyak, 2017, Multi-offset Full-Waveform acquisition and inversion of surface GPR data, Joint M.Sc. student, Forschungszentrum Juelich/RWTH Aachen
- Mahfuj Ali, 2017, Geophysical characterisation of peatlands using crosshole GPR Full-Waveform Inversion - Case study of the Ahlenmoor, Northern Germany, Joint M.Sc. student, Forschungszentrum Juelich/RWTH Aachen
- Maximilian Kanig, 2017, Integration of soil samples with geophysical and remotely sensed hyperspectral data using a regression-kriging approach for spatial soil parameter prediction at the field scale, M.Sc. student, Forschungszentrum Juelich/Koeln University
- Jessica Schmeck, 2017, Crosshole ground penetrating radar (GPR) full-waveform inversion to characterize peatlands, M.Sc. student, Forschungszentrum Juelich-

/RWTH Aachen

- Dennis Gassen, 2017, Mapping soil water content variability of a winter wheat - planted soil under different treatments using time - lapse horizontal borehole ground penetrating radar data acquired at different depths, M.Sc. student, Forschungszentrum Juelich/RWTH Aachen
- Elisabeth Verweij, 2016, Calibration and Inversion of Large-scale Electromagnetic Induction Measurements of Agricultural Fields and Comparison with Leaf Area Index and Sun-induced Fluorescence Measurements, Joint M.Sc. student, Forschungszentrum Juelich/RWTH Aachen
- Christin Bobe, 2016,
- Denise Schmidt, 2016, Infiltration experiments to estimate soil water content using combined surface and horizontal borehole GPR data, M.Sc. Student Forschungszentrum Juelich/RWTH Aachen
- Denise Schmidt, 2016, Infiltration experiments to estimate soil water content using combined surface and horizontal borehole GPR data, B.Sc. Student Forschungszentrum Juelich/Koeln University
- Jenni Becker, 2013, Combined GPR and EMI Characterization of Rollesbroich, M.Sc. Student RWTH Aachen
- Christian von Hebel, 2012, Multi-Layer Conductivity Inversion of Calibrated Multi-Configuration Electromagnetic Induction Measurements, Joint M.Sc. student, Forschungszentrum Juelich/RWTH Aachen
- Max Oberrohrmann, 2011, Optimizing acquisition strategy for Full-waveform inversion of Crosshole Ground Penetrating Radar, Joint M.Sc. student, Forschungszentrum Juelich/RWTH Aachen
- Jenneke Bakker, 2010, Waveguide inversion of dispersive GPR data measured during freezing and thawing experiments, Joint M.Sc. student, Forschungszentrum Juelich/RWTH Aachen
- Anja Klotzsche, 2009, Full-waveform inversion of crosshole ground penetrating radar data to characterize a gravel aquifer close to the river Thur, Switzerland, Joint M.Sc. student, Forschungszentrum Juelich/RWTH Aachen
- Jürg Schuler, 2008, Joint inversion of reflected, refracted P and S-waves and dispersive Rayleigh and Love waves, Joint M.Sc. student, ETH Zürich
- Dieter Werthmüller, 2007, Separate and joint inversion of dispersive Rayleigh and Love waves, B.Sc. student, ETH Zürich
- Kaspar Merz, 2007, Full waveform inversion for chloride and moisture in concrete using ground-penetrating radar data, B.Sc. student, ETH Zürich
- Jürg Hunziker, 2007, Rebar Detection and Diameter Estimation in Concrete with a multichannel GPR system, M.Sc. student, ETH Zürich
- Ilona Capiti, 2006, Measurement of ice thickness using fundamental and higher order mode inversion of dispersive GPR waves, B.Sc. student, ETH Zürich

- Jürg Hünziker, 2005, Dispersion von Georadarwellen in einem asymmetrischen Waveguide, B.Sc. student, ETH Zürich
- Niki Ormuz, 2002, Maximizing the information return of multi-component ground-penetrating radar measurements in the vicinity of above surface objects, M.Sc. student, ETH Zürich
- Jan Harry Zeeman, 2001, Data-driven GPR imaging, M.Sc. student Delft University of Technology
- Luud A.J. Heck, 2000, Single component imaging of 3D GPR data in the wavenumber frequency domain, M.Sc. student, Delft University of Technology
- Ronald R.H. van Waard, 1997, GPR source wavelet estimation using CMP-data, M.Sc. student, Delft University of Technology

Principal and co-supervisor of the following Internship Students:

- Tarini Bhatnagar, 2016, Geophysical characterization of peatlands using GPR, 3-Month Rice Professional internship (DAAD)
- Kevin Fan, 2016, Large-scale EMI and GPR hydrogeophysical soil characterization, 3-Month Rice Professional internship (DAAD)
- Baxter Miatke, 2015, Large-scale Electromagnetic Induction and Multi-Offset Ground Penetrating Radar, 3-Month Rice Professional internship (DAAD)
- Veronique Bouzaglou, 2014, Hydrogeophysical Characterization of the Selhausen Testsite with Horizontal Crosshole Ground Penetrating Radar Full-Waveform Inversion, 3-Month Rice Professional internship (DAAD)
- Carly Hyatt, 2013, Hydrogeophysical Characterization of the Krauthausen Testsite with Crosshole Ground Penetrating Radar Full-Waveform Inversion, 3-Month Rice Professional internship (DAAD)
- Francois Lavoué, 2009, Soilwatercontent estimation using inversion of GPR, EM and ERT data, 3-Month Traineeship Forschungszentrum Juelich, M.Sc. student, École normale supérieure de Lyon