

# CURRICULUM VITAE



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**Dr. Jozsef Hecht Méndez****PERSONAL DETAILS**

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Date of birth 18.11.1977  
 Place of birth Caracas, Venezuela  
 Marital status Married, 2 children

**PROFESSIONAL EXPERIENCE**

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02/2012 – 08/2013 TIMGEO GmbH (Partner)

- Management of national and international projects
- Evaluation and editing of hydrogeological data
- Elaboration of conceptual and numerical models

02/2012 – 01/2013 Center for Applied Geoscience (ZAG), University of Tübingen

- Research associate, Cofounder of the spin-off TIMGEO GmbH

07/2011 – 01/2012 Institute for Applied Geosciences (AGW), Karlsruhe Institute of Technology

- Research assistant at the Department of Engineering Geology (Heat transport modelling)

02/2007 – 04/2008 Center for Applied Geoscience (ZAG), University of Tübingen

- Research assistant at the working group of Hydrogeothermics (Heat transport modelling)
- Research assistant at the working group of Geophysics (Measurements of magnetic properties of core samples)

08/2005 – 08/2006 Hoogen Bodensanierung GmbH

- Field engineer, land recultivation of post-mining landscapes

03/2003 – 03/2005 Faculty of Engineering, Universidad Central de Venezuela

- Teaching assistant (Seismology)

12/2004 – 12/2004 Fundación Venezolana de Investigaciones Sismológicas (FUNVISIS)

- Field engineer, geophysical measurements, Project BOLIVAR 2004

04/2004 – 05/2004 Fundación Venezolana de Investigaciones Sismológicas (FUNVISIS)

- Field engineer, geophysical measurements, Project GEODINOS 2003

06/2000 – 06/2004 Extrema Diversión C.A.

- Operative manager and technical support

**EDUCATION**

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09/2008 – 06/2012 Ph.D., Center for Applied Geoscience (ZAG). University of Tübingen  
 “Optimization of Shallow Closed-Loop Geothermal Systems”

09/2006 – 09/2008 M.Sc. Applied Environmental Geosciences. Center for Applied Geosciences (ZAG). University of Tübingen  
 “Implementation and verification of the solute transport code MT3DMS for groundwater heat transport modelling”

04/1997 – 03/2005 Geophysical Engineer (Dipl.-Ing.). Faculty of Engineering, Universidad Central de Venezuela  
 “Geophysical Characterization of Zamora Municipality, Miranda State, by Natural Seismic Noise and Gravimetric Method”

### HONOURS AND AWARDS

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02/2012 – 01/2013 Funding Program *Junge Innovatoren*, Ministry of Science, Research and the Arts of the State of Baden-Württemberg, Germany

09/2008 – 08/2012 IPSWaT – International Postgraduate Studies in Water Technologies: Federal Ministry of Education and Research, Germany

### FURTHER TRAINING

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11/2009 – 03/2010 JAVA Object Oriented Programming 1 and 2  
 Information Technology Center (ZDV), Universität Tübingen, Germany

05/2009 Environmental Hydrogeochemical Modelling Course  
 AMPHOS XXI, Barcelona, Spain

08/2008 Process Modelling of Hydrothermal Systems Using SHEMAT  
 RWTH Aachen, Germany

11/2005 Introduction into Grass GIS 6.0  
 GDF Hannover, Germany

### LANGUAGES

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German	Fluent spoken and good writing skills
English	Fluent in spoken and writing skills
Spanish	Fluent in spoken and writing skills

### ADDITIONAL SKILLS

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- Comprehensive experience in geophysical field work (Seismic and gravimetric data acquisition)
- Good knowledge of software application for geophysical data processing/interpretation: REFLEX, RAYINVR, IGMAS
- Broad knowledge of groundwater flow and heat transport modelling: MODFLOW (SWS Visual MODFLOW, VISUAL MODFLEX), MT3DMS, FEFLOW, SEAWAT, SHEMAT, EED
- Very good MATLAB programming skills
- Very good software skills for groundwater data management: SWS Hydro GeoAnalyst
- Basic knowledge of GIS: ArcGIS, SURFER, GRASS
- Intermediate knowledge of Linux und Unix operative systems

Mössingen, 18.11.2013