

DR. JOZSEF HECHT MÉNDEZ

PERSONAL DETAILS

Date of Birth 18th November
Place of Birth Caracas, Venezuela
Nationality German
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PROFESSIONAL EXPERIENCE

Apr 2014 – dato Amberg Engineering AG, Regensburg, Switzerland
Geophysicist at the Business Unit Geophysics
Application engineer and Pre-sales support
Technical support

Feb 2012 – Aug 2013 TIMGEO GmbH
Management of national and international projects for the environmental and mining sectors.
Evaluation and editing of hydrogeological data.
Elaboration of conceptual and numerical groundwater models.

Feb 2012 – Jan 2013 Center for Applied Geosciences (ZAG), Eberhard-Karls-Universität Tübingen
Research associate, Founder of the spin-off TIMGEO GmbH

Jul 2011 – Jan 2012 Institute for Applied Geosciences (AGW), Karlsruher Institut für Technologie
Research assistant at the Department of Engineering Geology (Heat transport Modelling)

Feb 2007 – Apr 2008 Center for Applied Geosciences (ZAG), Eberhard-Karls- Universität Tübingen
Research assistant at the working group of Hydrogeothermics and Geophysics

Aug 2005 – Aug 2006 Hoogen Bodensanierung GmbH
Field engineer, land recultivation of post-mining landscapes

Mar 2003 – Mar 2005 Faculty of Engineering, Universidad Central de Venezuela
Teaching assistant (Seismology)

Apr 2004 – May 2004 Fundación Venezolana de Investigaciones Sismológicas (FUNVISIS)
Field engineer, geophysical measurements, Project BOLIVAR 2004

Dec 2003 – Dec 2003 Fundación Venezolana de Investigaciones Sismológicas (FUNVISIS)
Field engineer, geophysical measurements, Project GEODINOS 2003

EDUCATION

Sep 2008 – Jun 2012 PhD, Center for Applied Geosciences (ZAG). Eberhard-Karls Universität Tübingen
“Optimization of Shallow Closed-Loop Geothermal Systems”

- Sep 2006 – Aug 2008 M.Sc. Applied Environmental Geosciences. Center for Applied Geosciences (ZAG). Eberhard-Karls Universität Tübingen
 “Implementation and verification of the solute transport code MT3DMS for groundwater heat transport modelling”
- Apr 1997 – Mar 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

- Feb 2012 – Jan 2013 Funding Programm *Junge Innovatoren*, Ministry of Science, Research and the Arts of the State of Baden-Württemberg, Germany
- Sep 2008 – Aug 2012 IPSWaT – International Postgraduate Studies in Water Technologies: Federal Ministry of Education and Research, Germany

ADDITIONAL SKILLS

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

ADDITIONAL COURSES

- Nov 2009 – Mar 2010 JAVA Object Oriented Programming 1 and 2
 Information Technology Center (ZDV), Universität Tübingen, Germany
- Mai 2009 Environmental Hydrogeochemical Modelling Course
 AMPHOS XXI, Barcelona, Spain
- Aug 2008 Process Modelling of Hydrothermal Systems Using SHEMAT
 RWTH Aachen, Germany
- Nov 2005 Introduction into Grass GIS 6.0
 GDF Hannover, Germany

LANGUAGES

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|---------|---------------------------------------|
| Spanish | Fluent in spoken and written (native) |
| English | Fluent in spoken and written |
| German | Fluent in spoken and written |
| Italian | Basic knowledge |