

## Andreas Roncat

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Austria

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### Date and Place of Birth

October 04, 1981 Kufstein, Tyrol, Austria

### Education

Diplom-Ingenieur Vermessung und Geoinformation (MSc Surveying and Geoinformation), Vienna University of Technology, March 30, 2006. *Mit Auszeichnung (with honors)*

Diplomstudium Vermessung und Geoinformation (Diploma Program Surveying and Geoinformation), Vienna University of Technology, 10/2000-03/2006

Lehramtsstudium Darstellende Geometrie und Informatik (Teacher's Program Descriptive Geometry and Computer Science), University of Vienna/Vienna University of Technology, 10/2006–present; Graduation expected in 2015

Doktoratsstudium der Technischen Wissenschaften Vermessung und Geoinformation (Doctoral programme in Engineering Sciences Surveying and Geoinformation), Vienna University of Technology, 10/2006–09/2014; Graduation on September 12, 2014. *Mit Auszeichnung (with honors)*

### Research Experience

Freelance Work 01/2014–present  
Vienna

Bathymetric lidar signal analysis within a feasibility study, funded by the Austrian Research Promotion Agency; in cooperation with Riegler Research GmbH (Horn, Lower Austria) and Vienna University of Technology

Project Assistant 04/2010–12/2013  
Vienna University of Technology Institute of Photogrammetry and Remote Sensing (until 09/2012) and Department of Geodesy and Geoinformation (since 10/2012);  
Heads: Wolfgang Wagner and Norbert Pfeifer

Signal analysis and processing of full-waveform laser scanner data, laser scanning for geomorphological applications

Project Assistant 09/2006–03/2010  
Vienna University of Technology Christian Doppler Laboratory “Spatial Data from Laser Scanning and Remote Sensing”;  
Heads: Wolfgang Wagner and Josef Jansa

Signal analysis and processing of full-waveform laser scanner data

Project Assistant 10/2005–04/2006  
Vienna University of Technology Institute of Photogrammetry and Remote Sensing, Vienna University of Technology;  
Head: Karl Kraus

Tutorials for photogrammetric software, 3D least-squares matching of digital terrain models

## Teaching

BFI Wien  
Teacher  
Teacher for Mathematics, Geometry and Geography (secondary school level) Vienna, Austria  
02/2014–present

## Internships

Leica Geosystems AG  
Intern  
Software testing and calibration of terrestrial and GPS high-end surveying instruments Heerbrugg, Switzerland  
04–05/2008

Institute of Photogrammetry and Remote Sensing  
Student Apprentice  
High-precision close range photogrammetry of glass panels, tutorials for photogrammetric software Vienna University of Technology  
Summer 2004

Roland Pogoreutz, Engineering Consultant in Surveying  
Technician  
Data acquisition for geographical information systems, cadastral and technical surveying Kufstein, Tyrol, Austria  
Summer 2003

GFM Engineering Consultants in Structural Engineering  
Student Apprentice  
Data acquisition for geographical information systems, technical surveying, assistant of the construction management, auditing of construction accounts Munich, Germany  
Summer 2001 and 2002

## Reviewing Activities

ISPRS Journal of Photogrammetry and Remote Sensing (ISSN 0924-2716; since 2006)  
Journal of Applied Geodesy (ISSN 1862-9024; since 2007)  
IEEE Transactions on Geoscience and Remote Sensing (ISSN 0196-2892; since 2008)  
Sensors (ISSN 1424-8220; since 2012)  
Earth Surface Processes and Landforms (ISSN 1096-9837; since 2012)  
IEEE Geoscience and Remote Sensing Letters (ISSN 1545-598X; since 2013)  
International Journal of Speleology (ISSN 0392-6672; since 2013)  
Remote Sensing (ISSN 2072-4292; since 2014)  
Photogrammetric Engineering & Remote Sensing (ISSN 0099-1112; since 2014)

## Memberships

Austrian Society for Surveying and Geoinformation (OVG), since 06/2011  
Austrian Speleological Association (VÖH), since 2011  
International Society for Photogrammetry and Remote Sensing (ISPRS), individual member since 10/2014

## Service

President, Students' Council of Surveying and Geoinformation, Vienna University of Technology, 2003–2005  
Member of the local organizing committee, ISPRS Centenary Celebrations including ISPRS TC VII Symposium and Dreiländertagung D-A-CH, Vienna 2010

## **Software Knowledge**

Programming: C++, Java, Matlab, Delphi, PHP

Geodetic Software: Geosi, ORPHEUS, SCOP++, OPALS, LAStools, RiScan PRO

GIS software: Quantum GIS

Database software: MySQL, MS Access

Operating Systems: Linux, Mac OS X, MS Windows (XP, Vista, Windows 7, Windows 8)

CAD: AutoCAD, Microstation

Vector Graphics: Adobe Illustrator, IPE

Other Software: L<sup>A</sup>T<sub>E</sub>X, MS Office/OpenOffice