

Roberto Filippi  
Visiting Scholar  
Byrd Polar Research Center, Ohio State University  
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### *Personal information*

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Born March 7, 1982, Trento, Italy

### *Education*

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- 2005-2007** Master degree in Geological Sciences at the University of Padova, diploma 'summa cum laude'  
Thesis “*Geological and structural study of the Gran Paradiso nappe and the Ophiolitic zone in Soana Valley (North West Italy, Alps)*”, supervisor prof. Massironi Matteo.  
Goals: geological and geomorphological field mapping of the investigated area, digitisation of the resulting map using the software ArcGis , study of ductile deformation in the granitic nappe with scanning electron microscope (SEM)
- 2005** Erasmus year at the University of Tromsø, Norway
- 2002-2005** Bachelor degree in Geological Sciences at the University of Padova,  
Thesis: “*Geological and structural mapping of the Vizze valley, Alto Adige, Tauri’s Window*”, supervisor prof. Massironi Matteo.
- 1997-2002** Liceo Scientifico Galileo Galilei, Trento, Italy  
High school (Mathematics, Physics, German, English, Philosophy)

### *Professional experiences*

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- 2008-2009** Teacher of maths, geometry and science at the secondary school “Pedrolli”, Gardolo, Trento, Italy
- 2008** Scientific education consultant c/o the Civic Museum of Rovereto, Italy.  
Competence: geology and paleontology
- 2007-2009** Associate geologist for consolidation, stabilisation and increase in ground bearing capacity by injecting expanding resins; geological drillings; seismic cone penetration test SCPT; geomechanical applications.  
Geomechanical analysis of instable rock walls and estimation of the rockfall trajectories; analysis of landslides and slumps; mapping of avalanche and debris flow subjected areas.
- 2006** Assistant geologist during the realization of the geological map “S.Martino di Castrozza” by the Geological Service of the Province of Trento (project CARG).

### *Active Scholarships*

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- 2009-2011** Scholarship for young researchers offered by the Fondazione Caritro (Trento).  
Title: “*Application of GIS systems to the glaciological digital mapping: from the tropical ice caps of Quelccaya (Peru) and Kilimanjaro (Tanzania) to the glaciers of the Province of Trento*”  
Home institutions: Museo Tridentino di Scienze Naturali (leader dott. Michele Lanzinger) and Byrd Polar Research Center, The Ohio State University, USA (leader prof. Lonnie G. Thompson)

### *Lectures*

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- 06/2009** Chapman Conference on Abrupt Climate Change (AGU meeting, The Ohio State University, Columbus, OH, USA)

### *Original field work*

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- 06-08/2009** Glacier field work: ice core drilling and snow sampling with the Ice Core Paleoclimatology Group of Byrd Polar Research Center, The Ohio State University (Cordillera Blanca, Peru). Team leader: prof. Lonnie G. Thompson
- 04/2006** Geology field work: geological mapping and structural geology with the University of Padova (Anti Atlas, Morocco). Team leader: prof. G.V. Dal Piaz

### *Languages*

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Italian, english, german, spanish (conversational)

### *Programming*

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ArcGis, Envi, Erdas, Alta photogrammetry suite

### *Others*

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- 2001** Volunteer for a no-profit organization, mission in Brasil  
**2002-2005** Volunteer for a no-profit organization, missions in Romania and Bosnia-Herzegovina

### *Hobbies*

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Mountaneering, ice and rock climbing, ski, travels