

**Prof. Dr. Lothar Schrott**

(21.01.1962, Ulm/Donau)

Head of Research Group "Geomorphology and  
Environmental Systems"

Director of Master Programme "Disaster management  
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**Academic degrees**

- 2003: **Habilitation at the University of Bonn:** Title of the habilitation thesis: "Sedimentspeicher alpiner Geosysteme" ("Sediment storage of alpine geosystems")
- 1993: **Dr. rer. nat. in Geography (minors in Geology and Physics), University of Heidelberg:** Title of the dissertation: "Die Solarstrahlung als steuernder Faktor im Geosystem der subtropischen semiariden Hochanden" ("The solar radiation as controlling factor in the geosystem of subtropical and semiarid Andes")
- 1983-1989: **State examination and studies in Geography, Physical Education and Geology** at the Universities of Tübingen and Heidelberg

**Professional experience**

- Since 2013: **Full Professor of Physical Geography and Geomorphology**, Department of Geography, University of Bonn, Germany
- 2016 (3 mo.): **Visiting Professor** at the University of Auckland, New Zealand
- 2011 (7 mo.): **Visiting Professor** at the Universities of Ottawa and Carleton, Canada
- 2006-2013: **Full Professor of Physical Geography and Geomorphology** at the Department of Geography and Geology, University of Salzburg, Austria
- 2004-2006: **Professor of Physical Geography and Geomorphology** at the Department of Geography and Regional Studies, University of Vienna, Austria
- 2002-2003: **Visiting Researcher** at the Institute of Arctic and Alpine Research, University of Colorado at Boulder, USA
- 1996-2004: **Assistant Professor**, Department of Geography, University of Bonn
- 1994-1996: **Postdoc**, Department of Geography, University of Heidelberg, Germany

**Member in executive committees, editorials and boards (selection)**

- 2012-2016: Member of the Executive Committee of the International Permafrost Association
- 2009-2013: Member of the Executive Committee of the International Association of Geomorphologists
- Since 2010: Associate Editor of Geografiska Annaler, Series A, Physical Geography
- Since 2010: Member of the Editorial Advisory Board in Progress in Physical Geography
- 2008-2010: Member of the Advisory Board of the German Working Group of Geomorphology (Arbeitskreis für Geomorphologie)
- 2005-2009: Chair of Working Group "Geomorphology and Earth System Science" of the International Association of Geomorphologists (IAG)
- Since 2001: Member of the Editorial Board of Geomorphology (Elsevier)

## Research interests and areas

- process geomorphology
- natural hazards
- mountain permafrost
- sediment budgets
- mass movements
- application of geophysical methods
- Argentina, Chile, European Alps, Rocky Mountains/USA, New Zealand, Germany

## Current funded projects (as principle investigator, selection)

- 2016-2018: Earthshape - Biotic effects on sediment storage and connectivity in river catchments (DFG)
- 2015-2017: PermArg - Rock glacier permafrost in the Central Andes of Argentina: regional distribution – ice content – hydrological significance (DFG)
- 2010-2017: MOREXPART – Monitoring potential hazardous rock walls and slopes in mountain regions - development of an expert system and adaptation strategies (COMET - K1/Austria: Centre for Climate Change Adaption Technologies)

## 10 most important publications

- Schrott, L., Otto, J.-C., Götz, J. & M. Geilhausen (2013): Fundamental classic and modern field techniques in geomorphology - an overview. - In: Shroder, J. (Editor in Chief): Switzer, A.D. & D. Kennedy (Eds.): Treatise on Geomorphology. Academic Press, San Diego, CA, Vol. 14, Methods in Geomorphology, pp. 6-21.
- Otto, J.-C., Keuschning, M., Götz, J., Marbach, M. & L. Schrott (2012): Detection of mountain permafrost by combining high-resolution surface and subsurface information – An example from the Glatzbach catchment, Austrian Alps. In: Geografiska Annaler: Series A, Physical Geography, Vol. 94, Issue 1, 43–57.
- SCHROTT, L., OTTO, J.-C. & F. KELLER (2012): Modelling alpine permafrost distribution in the Hohe Tauern region, Austria. Austrian Journal of Earth Science, Vol 105/2, 169-183.
- Otto, J.C., Schrott, L., Jaboyedoff, M. & R. Dikau (2009): Quantifying sediment storage in a high alpine valley (Turtmannal, Switzerland). In: Earth Surface Processes and Landforms, 34, pp. 1726-1742.
- Schrott, L. & O. Sass (2008): Application of field geophysics in geomorphology: advances and limitations exemplified by case studies. – In: Geomorphology 93, 55-73.
- Schrott, L., Hufschmidt, G., Hankammer, M., Hoffmann, T. & R. Dikau (2003): Spatial distribution of sediment storage types and quantification of valley fill deposits in an alpine basin, Reintal, Bavarian Alps, Germany. In: Geomorphology, Vol. 55, 45-63.
- Schrott, L., Niederheide, A., Hankammer, M., Hufschmidt, G. & R. Dikau (2002): Sediment storage in a mountain catchment: geomorphic coupling and temporal variability (Reintal, Bavarian Alps, Germany). In: Zeitschrift für Geomorphologie, Suppl.-Bd. 127, 175-196.
- Dikau, R., Brunsten, D., Schrott, L. & M.-L. Ibsen (1996) (Eds.): Landslide Recognition. Identification, Movement and Causes. Wiley & Sons, Chichester, 251 pp.
- Schrott, L. (1996): Some geomorphological-hydrological characteristics of rock glaciers in the Andes, San Juan, Argentina. - In: Zeitschrift für Geomorphologie, Supplementband 104, 161-173.
- Schrott, L. (1991): Global solar radiation, soil temperature and permafrost in the central Andes, Argentina: a progress report.- In: Permafrost and Periglacial Processes, Vol. 2, 59-66.