

Curriculum Vitae

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Publications

Peer reviewed journals

Kuhn, N. J., Hoffmann, T., Schwanghart, W., Dotterweich, M. (2008). Agricultural soil erosion and global carbon cycle: controversy over? *Earth Surface Processes and Landforms*, in review.

Lakes, T., Schwanghart, W. (2008). Cellular automata – tools to study complex systems in applied human environmental sciences? *Computers, Environment and Urban Systems*, in review.

Schwanghart, W. (2008). Algebraic solutions in landscape evolution modelling. *Computers & Geosciences*, in review.

Schwanghart, W., Beck, J., Kuhn, N. (2008). Measuring population densities in a heterogeneous world. *Global Ecology and Biogeography*, **17**, 4, 566–568.

Schwanghart, W., Frechen, M., Kuhn, N. J., Schütt, B. (2008). Holocene climate and landscape evolution of the Ugi Nuur basin, Mongolia. *The Holocene*, in review.

Schwanghart, W., Schütt, B. (2008). Holocene morphodynamics in the Ugi Nuur basin, Mongolia – insights from a sediment profile and 1D electrical resistivity tomography. *Zeitschrift für Geomorphologie*, **52**, Suppl. 2, 35-55.

Schwanghart, W., Schütt, B. (2008). Meteorological causes of Harmattan dust in West Africa. *Geomorphology*, **95**, 412–428.

Schwanghart, W., Schütt, B., Walther, M. (2008). Holocene climate evolution of the Ugi Nuur basin, Mongolia. *Advances in Atmospheric Sciences*, **25**, 6, 986-998.

Book chapters

Bemmann, J., Pohl, E., Schütt, B., Schwanghart, W. (2008). Archeological findings in the Upper and Middle Orkhon Valley and their geographical setup. In: Bemmann, J., Hüttel, H. G., Pohl, E. (eds.), *Mongolian-German Qara Qorum-Expedition*, FAAK (Forschungen zur Archäologie Außereuropäischer Kulturen). Bonn, p. in press.

Schwanghart, W., Möller, S., Schütt, B. (2008). Environmental characteristics of the Upper and Middle Orkhon Valley, Mongolia. In: Bemmann, J., Hüttel, H. G., Pohl, E. (eds.), *Mongolian-German Qara Qorum-Expedition*, FAAK (Forschungen zur Archäologie Außereuropäischer Kulturen). Bonn, p. in press.

Conference proceedings and talks

Möller, S., Schütt, B., Schwanghart, W., Walther, M. (2005): Land degradation and soil erosion in the Kharkhorin region, Mongolia. Proceedings of the Third International Congress on Environmental Change in Central Asia, Ulaanbaatar 2005. *Geographica - Oekologica*. Journal of MOLARE Research Centre, Volume 3. Ulaanbaatar. S. 86-91.

Schwanghart, W., Frechen, M., Schütt, B. (2008): Changing surface properties – a geomorphological perspective on the interpretation of lacustrine and terrestrial archives. 4th Sino-German Workshop on Environmental Changes in Central Asia, Nanjing, China, 05.-11.10.2008.

Publications

- Schwanghart, W., Klinger, R., Schütt, B. (2007): Ephemeral channels in the steppe region of Mongolia - geomorphometric analysis and hydrological implications. *Geophysical Research Abstracts*, Vol. 9, 05704.
- Schwanghart, W., Schütt, B. (2006): Large scale meteorological factors of dust mobilization in the Bodele Depression, Chad. *Geophysical Research Abstracts*, Vol. 8, 01336.
- Schwanghart, W., Schütt, B. (2007): Zelluläre Automaten – ein Weg zur Modellierung von Erdoberflächenprozessen. DFG-Schwerpunktgespräch, Heidelberg, 30.03.2007.
- Schwanghart, W., Schütt, B. (2008): Holocene climate and landscape evolution in central Mongolia. *Geophysical Research Abstracts*, Vol. 9, 05704.
- Schwanghart, W., Schütt, B., Walther, M. (2005): Holocene climate and landscape history of the Ugii Nuur basin, Mongolia - preliminary results. Tagungsband Jahrestagung des Deutschen Arbeitskreises für Geomorphologie Berlin, 07.–09.10.2005.
- Schwanghart, W., Schütt, B., Walther, M. (2006): Climate and landscape evolution of the Ugii Nuur basin, Mongolia. Earth System Science Partnership (ESSP) Open Science Conference, Beijing, China, 09.-12.11.2006.
- Schwanghart, W., Schütt, B., Walther, M. (2007): Holozäne Umweltentwicklung und Morphodynamik im Ugii Nuur Einzugsgebiet (zentrale Mongolei). Deutscher Geographentag, Bayreuth, 01.10.2007.

Other

- Schwanghart, W. (2004). Grossräumige meteorologische Faktoren der Staubmobilisierung in der Bodélé Depression, Tschad. Diplomarbeit an der Universität Trier.