SUMMARY CV: PROF SIMON M. MUDD

SCHOOL OF GEOSCIENCES
UNIVERSITY OF EDINBURGH
WEB: HTTP://WWW.GEOS.ED.AC.UK/HOMES/SMUDD/

EMPLOYMENT

2016 – present	Professor of Earth Surface Processes, School of GeoSciences, University of Edinburgh
2007 – 2016:	Lecturer, then Senior Lecturer (2013), then Reader (2014) in Landscape Evolution, School of GeoSciences, University of Edinburgh
2006 – 2007:	Postdoctoral Research Associate, Vanderbilt University, Department of Earth and Environmental Science

QUALIFICATIONS

2006:	PhD, Environmental Engineering, Vanderbilt University
2001:	M.A., Geological Sciences, University of California, Santa Barbara
1999:	B.A., Geology, University of California, Berkeley

RECENT KEYNOTE PRESENTATIONS AND AWARDS

2020 Fellow of the Royal Society of Edinburgh
2014 Gordon Warwick Medal (awarded by the British Society for Geomorphology)
2013 Arne Richter Award Outstanding Young Scientists (awarded by EGU)

LEADERSHIP:

Director, Edinburgh E4 Doctoral Training Partnership, 216-2020
Chair, British Society for Geomorphology 2018-2019

REPRESENTATIVE JOURNAL ARTICLES

(FULL PUBLICATION RECORD: HTTPS://SCHOLAR.GOOGLE.COM/CITATIONS?USER=9IV6L7WAAAAJ&HL=EN)

Chen, Q., Mudd, S.M., Attal, M., Hancock, S., 2024. Extracting an accurate river network: Stream burning re-revisited. Remote Sens. Environ. 312, 114333. https://doi.org/10.1016/j.rse.2024.114333

Clubb, F.J., Mudd, S.M., Schildgen, T.F., van der Beek, P.A., Devrani, R., Sinclair, H.D., 2023. Himalayan valley-floor widths controlled by tectonically driven exhumation. Nat. Geosci. 16, 739–746. https://doi.org/10.1038/s41561-023-01238-8

Strong, C.M., Mudd, S.M., 2022. Explaining the climate sensitivity of junction geometry in global river networks. Proceedings of the National Academy of Sciences 119, e2211942119. https://doi.org/10.1073/pnas.2211942119

Goodwin, G. C. H., & Mudd, S. M. (2019). High Platform Elevations Highlight the Role of Storms and Spring Tides in Salt Marsh Evolution. *Frontiers in Environmental Science*, *7*. https://doi.org/10.3389/fenvs.2019.00062

Mudd, S.M., 2020. Chapter 4 - Topographic data from satellites, in: Tarolli, P., Mudd, S.M. (Eds.), Developments in Earth Surface Processes, Remote Sensing of Geomorphology. Elsevier, pp. 91–128. https://doi.org/10.1016/B978-0-444-64177-9.00004-7

Mudd, S. M., Clubb, F. J., Gailleton, B., & Hurst, M. D. (2018). How concave are river channels? *Earth Surface Dynamics*, *6*(2), 505–523. https://doi.org/10.5194/esurf-6-505-2018

SOFTWARE:

Github pages:
https://github.com/LSDtopotools , https://github.com/simon-m-mudd

Topographic analysis software:

Mudd, S. M., Clubb, F. J., Grieve, S. W. D., Milodowski, D. T., Gailleton, B., Hurst, M. D., Valters, D. V., Wickert, A. D., & Hutton, E. W. H. (2023). LSDtopotools/LSDTopoTools2: LSDTopoTools2 v0.9 (v0.9). Zenodo. https://doi.org/10.5281/zenodo.8076231