Joel S. Scheingross (he/him/his)

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Professional appointments

Assistant Professor, University of Nevada Reno, Dept. of Geological Sciences and Engineering, Jan. 2019 - Present
Postdoctoral Scientist, GFZ – German Research Centre for Geosciences, Potsdam, Germany, Nov. 2017 – Oct. 2018
Alexander von Humboldt Postdoctoral Fellow, GFZ – German Research Centre for Geosciences, Potsdam, Germany, Nov. 2015 – Oct. 2017
Research / Teaching Assistant, California Institute of Technology, September 2009 – October 2015
Research staff, University of California, Berkeley, May 2008 – June 2009

Education

PhD, Geology, California Institute of Technology, Adviser: Michael Lamb, 2015
M.S., Geology, California Institute of Technology, 2012
B.A., Geology and B.S., Environmental Science, University of California, Berkeley, 2007

Select Honors and Awards

University of Nevada Reno Patricia Berninsone Award for Outstanding Service (2022)
Making-a-difference Award for Dedication to Justice, Equity, Diversity, and Inclusivity in the Geosciences (2022)
AGU Editors' Citation for Excellence in Refereeing (2021)
AGU Luna B. Leopold Young Scientist Award and Robert P. Sharp Lecture invited speaker (2019)
Alexander von Humboldt Postdoctoral Fellow (2015 – 2017)
Outstanding Student Presentation Award, AGU Fall Meeting (2013)
National Science Foundation Graduate Research Fellowship Program fellow (2011-2014)
UC Berkeley, Earth and Planetary Science Department Citation (valedictorian equivalent) (2007)

Select publications (full list via Google Scholar) (*indicates advised graduate or undergraduate student)

*Golombek, N.Y., **Scheingross, J.S.**, Repasch, M.N., Hovius, N., Sachse, D., Lupker, M., Eglinton, T.I., Menges, J., Haghipour, N., Poulson, S.R., Grocke, D.R., Latosinski, F.G., Szupiany, R.N., 2021, Fluvial organic carbon composition regulated by seasonal variability in lowland river migration, *Geophysical Research Letters,* V.48, Issue: 24, doi: 10.1029/2021GL093416.

*Groh, E.L. and **Scheingross, J.S.**, 2021, Morphologic signatures of autogenic waterfalls: A case study in the San Gabriel Mountains, California, *Geology*, doi: 10.1130/G49320.1.

Repasch, M., **Scheingross, J.S.**, Hovius, N., Lupker, M., Wittmann, H., Haghipour, N., Grocke, D.R., Orfeo, O., Eglinton, T.I., and D. Sachse, 2021, Fluvial organic carbon cycling regulated by sediment transit time, *Nature Geoscience*, V. 14, p. 842-848, doi: 10.1038/s41561-021-00845-7.

Scheingross, J.S., Repasch, M.N., Hovius, N., Sachse, D., Lupker, M., Fuchs, M., Halevy, I., Gröcke, D.R., *Golombek, N.Y., Haghipour, N, Eglinton, T.I., and O. Orfeo, 2021, Constrains on organic carbon modification and oxidation during transient floodplain storage, *Earth and Planetary Science Letters*, V. 561, doi: 10.1016/j.epsl.2021.116822.

Scheingross, J.S., Limaye, A.B., McCoy, S.M., and A.C. Whittaker, 2020, The shaping of erosional landscapes by internal dynamics, V. 1, *Nature Reviews Earth & Environment*, doi: 10.1038/s43017-020-0096-0.

Scheingross, J.S., Hovius, N., Dellinger, M., Hilton, R.G., Repasch, M., Sachse, D., Gröcke, D.R., Vieth-Hillebrand, A., and J.M. Turowski, 2019, Preservation of organic carbon during active fluvial transport and particle abrasion, *Geology*, V. 47, no. 10, p. 958-962, doi:10.1130/G46442.1.

Scheingross, J.S., M.P. Lamb, and B. Fuller, 2019, Self-formed bedrock waterfalls, *Nature*, V. 567, doi: 10.1038/s41586-019-0991-z .

Scheingross, J.S., and M.P. Lamb, 2017, A mechanistic model of waterfall plunge-pool erosion into bedrock, *JGR – Earth Surface*, doi: 10.1002/2017JF004195.

Lamb, M.P., Finnegan, N.J, **Scheingross, J.S**., and Sklar, L.S., 2015, New insight into the mechanics of fluvial bedrock erosion through flume experiments and theory, *Geomorphology*, V. 244, p. 33-55, doi: 10.1016/j.geomorph.2015.03.003.

Scheingross, J.S., Brun, F., *Lo, D.Y., *Omerdin, K., and M.P. Lamb, 2014, Experimental evidence for fluvial bedrock incision by suspended and bed-load sediment, *Geology*, V. 42, no. 6, p. 523-526, doi:10.1130/G35432.1.

Scheingross, J.S., Winchell, E.W., Lamb, M.P., and W.E. Dietrich, 2013, Influence of bed patchiness, slope, grain hiding, and form drag on gravel mobilization in very steep streams, *JGR – Earth Surface*, V. 118, Issue 2, p. 982-1001, doi: 10.1002/jgrf.20067.

Scheingross, J.S., Minchew, B.M., Mackey, B.H., Simons, M., Lamb, M.P., and S. Hensley, 2013, Fault-zone controls on the spatial distribution of slow-moving landslides, *GSA Bulletin*, V. 125, no. 3/4, p. 473–489; doi: 10.1130/B30719.1.

Contributions to justice, equity, diversity and inclusion (JEDI)

UNR Geoscience Community Diversity, Equity, and Inclusion founder and Committee Chair (2020 – present)

UNR Geoscience Community Unlearning Racism in the Geoscience Pod Leader (2021)

UNR Graduate Program of Hydrologic Sciences Diversity, Equity, and Inclusion Committee founding member (2020 – present)

Accomplishments I lead or substantially contributed to, and current JEDI-related projects:

- Established of a UNR Geoscience Community Diversity, Equity, and Inclusion Committee
- Established and served as a leader for the UNR Geoscience URGE Pod (2021)
- Initiated a major overhaul of the UNR Geoscience department webpage to showcase our commitment to diversity, display demographic data, and create a transparent list of diversity-related goals and accomplishments
- Created a centralized repository for pre-existing outreach and volunteer opportunities available at UNR and in the greater Reno community
- Updated the UNR geology department graduate admissions page to explicitly include tips for building a successful application (including tips for contacting prospective advisers) that is traditionally part of the 'hidden curriculum' and may not be common knowledge for students of all backgrounds
- Co-drafted and edited a Code of Conduct to be distributed to all UNR Geoscience community members
- Organized invited departmental seminars from diverse speakers and encouraged all speakers to speak about issues related to diversity, equity, inclusion and justice (sometimes in a separate talk) if they wish
- Organized professional development and JEDI panel discussions for the AGU Earth and Planetary Surface Processes online seminar series (e.g., The Intersection of Geomorphology and Environmental Justice and Building a Supporting Research Community)
- Organized and analyzed results for the annual community climate survey of the UNR Geoscience community
- Served as a mentor to a post-baccalaureate student through the Geosciences Education & Mentorship Support (GEMS) program (sponsored by the National Association of Geoscience Teachers), which focuses on providing mentorship to graduate students and prospective graduate students from historically excluded groups in the geosciences (2021-2022).
- Currently advising and assisting graduate students in the AGU Earth and Planetary Surfaces Processes section to develop and implement a climate survey focused on JEDI within the Earth and Planetary Surface Processes community.

Conference abstracts related to JEDI work:

Scheingross, J.S., Cao, W., DesOrmeau, J., Gardner, M., Gordon, S.M., De Masi, C., Sheevam, P. and Toller, J., 2021, Progress on JEDI initiatives within the University of Nevada Reno geosciences community, submitted to the American Geophysical Union Fall Meeting.

Professional Society Memberships

American Geophysical Union
European Geosciences Union
Geochemical Society