

Biographical Sketch

Cody C. Mason

Assistant Professor
Department of Geosciences
University of West Georgia
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Professional Preparation

Fort Lewis College, Durango, Colorado, B.S. Geology, 2011.

Virginia Tech, Blacksburg, Virginia, *Tectonic Exhumation and Climate Driven Erosion in Extensional Mountain Blocks: Two Examples from California, USA*, advisor: Brian W. Romans, Ph.D., 2017.

Virginia Tech, Blacksburg, Virginia, Postdoctoral Research Associate, Source-to-sink dynamics of large sediment routing systems with and without continental ice sheets: Value of detrital zircons for sediment routing system characterization and prediction, 2017-2018.

Appointments

2018-present Assistant Professor, Department of Geosciences, University of West Georgia

2015, 2016 Summer Intern, Equinor (formerly Statoil) Research Center, Austin, Texas

2011 USGS-NAGT Summer Intern, Lakewood, Colorado

Publications

Mason, C.C., Romans, B.W., Stockli, D.F., Mapes, R.W., Fildani, A., 2019. Detrital zircons reveal sea-level and hydroclimate controls on Amazon River to deep-sea fan sediment transfer. *Geology*, 47, 1–5. doi:10.1130/G45852.1/4678806/g45852.pdf

Fildani, A., Hessler, A.M., **Mason, C.C.**, Mckay, M.P., Stockli, D.F., 2018. Late Pleistocene glacial transitions in North America altered major river drainages, as revealed by deep-sea sediment. *Sci. Rep.* 1–8. doi:10.1038/s41598-018-32268-7

Mason, C.C., Fildani, A., Gerber, T., Blum, M.D., Clark, J.D., Dykstra, M., 2017. Climatic and anthropogenic influences on sediment mixing in the Mississippi source-to-sink system using detrital zircons: Late Pleistocene to recent. *Earth Planet. Sci. Lett.* 466, 70–79. doi:10.1016/j.epsl.2017.03.001

Mason, C.C., Romans, B.W., 2018. Climate-driven unsteady denudation and sediment flux in a high-relief unglaciated catchment-fan using ²⁶Al and ¹⁰Be: Panamint Valley, California. *Earth Planet. Sci. Lett.* 492, 130–143. doi:10.17605/OSF.IO/5UJRD

Mason, C.C., Spotila, J.A., Axen, G., Dorsey, R.J., Luther, A., Stockli, D.F., 2017. Two-Phase Exhumation of the Santa Rosa Mountains: Low- and High-Angle Normal Faulting During Initiation and Evolution of the Southern San Andreas Fault System. *Tectonics* 1–19. doi:10.1002/2017TC004498

Recent Abstracts

Mason, C.C., Romans, Brian W., Stockli, Daniel F., and Fildani, Andrea, 2019. A deep-sea record of South American tectonics and surface processes: insights from detrital zircon double dating from the amazon submarine fan, Geological Society of America Annual Meeting, Phoenix, Arizona, 22-25 September

*Speessen, Jourdan M., **Mason, C.C.**, Heltzer, Jack, Miles II, G. Paul, Stockli, Daniel F., Romans, Brian W. and Fildani, Andrea, 2019. Stratigraphic correlation and signal propagation across sedimentary system segments using U-Pb detrital zircon geochronology: insights from the late Pleistocene Mississippi River and deep-sea fan. Geological Society of America Annual Meeting, Phoenix, Arizona, 22-25 September. *denotes student author

Synergistic Activities

- 2019, proposal reviewer for Deutsche Forschungsgemeinschaft (German Research Foundation)
- 2007-present, journal reviewer for: *Earth and Planetary Science Letters*, *JGR Earth Surface*, *Geosphere*, *Earth Surface Dynamics*, *Geological Journal*
- 2016-present, Co-chair for technical sessions (4 total) at: AGU Fall Meeting (2), SE GSA (1), National GSA Meeting (1)
- Co-leader for 2016 Friends of the Pleistocene Pacific Cell field trip to Panamint Valley, California

Undergraduate Research Advisor, University of West Georgia, Dept. of Geosciences

2019 Jourdan Speessen
2018 Jack Heltzer, G. Paul Miles II