

John-Morgan Manos

Curriculum Vitae

June 2021

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Research Interests

Glacier Environmental Change | Glacial Seismology | Geophysics
Modeling | Ice-Ocean-Climate Interactions | Glacier and Ice Sheet Dynamics
Climate Change | Remote Sensing | Photogrammetry | GPS Surveying | GIS

Education

Ph.D Earth and Space Sciences, University of Washington, June 2021 – 2026 (expected)

B.S. Atmospheric Sciences, Ohio State University, 2018

Positions

2018 – Present Remote Sensing Engineer, Maxar Technologies Inc.

2017 – 2018 GIS Assistant, Facilities and Information Technology Services, Ohio State University

2015 – 2018 Undergraduate Researcher, Byrd Polar and Climate Research Center

Abstracts Presented at Professional Meetings

2020 Schoessow, F., Soni, N., **Manos, J.**, Mark, B.G., DeGrand, J., Vega, E.M., Reinemann, S., and Porinchu, D. Multi-annual measures of rock glacier-wide volume change and surface kinematics in Great Basin National Park. Abstract GC026-0020. 2020 Fall Meeting, AGU, all virtual, 1-17 Dec.

2019 Soni, N., Mark, B.G., **Manos, J.**, Vega, M.E., Schoessow, F., DeGrand, J.Q., Reinemann, S.A., and Porinchu, D.F. Interannual Rock Glacier Surface Elevation Changes using UAS in Great Basin National Park, Nevada. Submitted abstract #633654. 2019 Fall Meeting, AGU, San Francisco, CA, 9-13 Dec.

2018 Schoessow, F.S., **Manos, J.**, Mark, B.G., DeGrand, J., Soni, N., Reinemann, S., and Porinchu, D. Mapping rock glacier surface elevation changes in Great Basin National Park, Nevada. Geological Society of America Abstracts with Programs. Vol. 50, No. 6, ISSN 0016-7592. doi:10.1130/abs/2018AM-324542. Paper #84-8 presented at the Geological Society of America Annual Meeting, Indianapolis, IN, 4-7 November.

2018 **Manos, J.**, B.G. Mark, J. DeGrand and O. Wigmore. Annual Surface Elevation Change of the Lehman Rock Glacier in Great Basin National Park, Nevada, USA. Poster presented at Association of American Geographers Annual Meeting, New Orleans, LA. Physical Geography Poster Session II #046. 12 April.

2018 **Manos, J.**, B.G. Mark, J. DeGrand and O. Wigmore. Annual Surface Elevation Change of the Lehman Rock Glacier in Great Basin National Park, Nevada, USA. Poster Presented at Denman

Undergraduate Research Forum Annual Meeting, Ohio State University, Columbus, OH. Session #1, Poster #134. 3 April.

Awards and Honors

- 2018 Graduated Cum Laude
- 2018 Edward J. “Ned” Taaffe Award – \$1000
 Recognizes the most outstanding Atmospheric Sciences, Climate, and Physical Geography graduates.
- 2018 Garry McKenzie & Henry Brecher Undergraduate Scholarship – \$600
 Stipend to be used to facilitate research efforts or offset travel to present at academic conferences.
- 2018 Office of Energy and Environment Sustainability Award Finalist
 Presented at the 2018 Denman Undergraduate Research Forum at the Ohio State University.
- 2015 – 2018 Dean’s List – AU15, SP16, AU16, SP17, AU17, SP18 semesters

Fieldwork

- 2016 – 2018 Great Basin Research Experience, Great Basin National Park, 3 seasons

Outdoor Education and Experience

- 2020 AIARE 1 Certification, Colorado Mountain School, Estes Park, CO
- 2020 Avalanche Awareness Clinic, Colorado Mountain School, virtual
- 2020 Basic Rock Climbing, Colorado Mountain Club, Denver, CO
- 2020 Navigation 1, Colorado Mountain Club, Denver, CO
- 2019 Wilderness Trekking School, Colorado Mountain Club, Denver, CO
- 2018 Belay Certification, Ohio State University
- 2018 Wall Climbing, Ohio State University

Professional Society Memberships

- American Association of Geographers (AAG)
- American Meteorological Society (AMS)

Outreach and Engagement

- 2019 Presented new technologies in satellite image enhancement and educated colleagues in quality validation procedures during annual quality summit at Maxar Technologies.

- 2019 Acted as talent recruiter for Maxar Technologies at career fairs at Colorado State University.
- 2018 Invited to present undergraduate research to the National Park Service and visitors of Great Basin National Park.
- 2018 Invited to discuss undergraduate research during the “Takeover Tuesday” event hosted by the Office of Undergraduate Research & Creative Inquiry at Ohio State which highlights new and innovative research being conducted by undergraduate students.
- 2018 Interviewed by an Ohio State University journalist about my research as an undergraduate which was featured on the Ohio State University website frontpage.
- 2018 Elected President of the Scarlet and Gray Weather Forecasting Team at Ohio State University, mentored a team of undergraduate weather enthusiasts in weather forecasting, and helped create point weather forecasts for the Columbus area.
- 2017 Featured in The Lantern’s *Humans of OSU* segment where I discussed my academic goals and my passion for climate research.
- 2016 Created a video showcasing the research taking place during the 2016 Great Basin Research Experience expedition which was featured on the Byrd Polar and Climate Research Center website.
- 2016 Investigated wildfire history in Great Basin National Park which was featured in the 2016 Ohio State Severe Weather Symposium brochure.
- 2015 – 2018 Served as an active member of the Meteorology Club at Ohio State University.