

# Shaun A. Marcott

Assistant Professor  
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## EDUCATION

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Postdoc, CEOAS, Oregon State University, Corvallis, OR (2011-2014)

*Advisor: Edward J. Brook*

Ph.D., Department of Geosciences, Oregon State University, Corvallis, OR (2011)

*Advisor: Peter U. Clark*                      *Major: Geology & minor in Oceanography*

M.S., Department of Geology, Portland State University, Portland, OR (2005)

*Advisor: Andrew G. Fountain*              *Major: Geology*

B.S., Department of Geosciences, Oregon State University, Corvallis, OR (2002)

*Major: Geology & minor in Mathematics*

## PROFESSIONAL APPOINTMENTS

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*Assistant Professor, Department of Geoscience, University of Wisconsin-Madison (2014 – Present)*

*Affiliate Faculty, Atmospheric and Oceanic Sciences, University of Wisconsin-Madison (2017–Present)*

*Affiliate Faculty, American Indian Studies, University of Wisconsin-Madison (2017 – Present)*

*Postdoctoral Researcher, College of Earth, Ocean, and Atmospheric Sciences (2011 – 2014)*

*Research Assistant, Department of Geosciences, Oregon State University (2006 – 2011)*

*Research Assistant, Department of Geology, Portland State University (2003 – 2005)*

*Research Assistant, Department of Geosciences, Oregon State University (2001)*

## TEACHING EXPERIENCE

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*Assistant Professor, University of Wisconsin-Madison (2014 – Present)*

Geosci / Atm-Oce 105: Oceanography (3cr, undergrad)

Geosci 140: Natural Hazards (3cr, undergrad)

Geog 331: Climatic Environments of the Past (3cr, undergrad/grads)

Geosci 420: Glacial & Pleistocene Geology (3cr, undergrad/grads)

Geosci 551: Recent Marine Sediments / Paleoenvironment (3cr, undergrad/grads)

Geosci 875: Tectonics and Glaciers of New Zealand (2cr, grad)

Geosci 875: Latest Pleistocene Abrupt Climate Change (3cr, grad)

Geosci 920: Glacial and Pleistocene Geology Seminar (1cr, grad)

Atm-Ocn 980: Earth System Science Seminar (1cr, grad)

*Teaching Assistant, Department of Geosciences, Oregon State University (2005 – 2007)*

*Teaching Assistant, Department of Geology, Portland State University (2003 – 2005)*

*Teaching Assistant, Department of Geosciences, Oregon State University (2002)*

## GRANTS RECEIVED

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- 2018.09 National Science Foundation: Collaborative Research: Holocene glacier length variations along the spine of the American Cordilleras and their climatic significance, \$98,515 (*co-PI with Shakun and Goehring*).
- 2018.09 National Science Foundation: Speleothem records of permafrost and climate from an ice-proximal, mid-continent cave, \$358,171 (*PI with Orland*).
- 2017.09 National Science Foundation: Collaborative Research: Collaborative Proposal: EarthCube Integration: Geochronology Frontier at the Laboratory-Cyberinformatics Interface, \$1,499,532 (*co-PI with Singer, Goring, Meyers, Peters, and Williams*).
- 2015.06 National Science Foundation: Collaborative Research: POISE (Petermann Ocean Ice Shelf Experiment) - Paleo Perspectives on the Petermann Gletscher System, North Greenland, \$1,530,263 (*\$280,579 to Marcott as sub-contract*).
- 2015.04 Reid Bryson (CPEP) Exploratory Research Grant, University of Wisconsin-Madison, \$5,120
- 2014.09 National Science Foundation: Workshop – Past as Prologue: Holocene Climate as Context for Future Climate Change, \$49,993 (*co-PI with Shakun*)
- 2014.09 PAGES Science Office: Workshop: Past as Prologue – Holocene Climate as Context for Future Climate Change, \$10,000 (*co-PI with Shakun*)

## PROFESSIONAL PRESENTATIONS

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- 2019.03 University of Illinois Urbana-Champaign: Deglacial Thinning of the Laurentide Ice Sheet in the Adirondack Mountains, New York (*Invited Speaker*).
- 2018.12 American Geophysical Union. Washington DC: Deglacial Thinning of the Laurentide Ice Sheet in the Adirondack Mountains, New York, Revealed by <sup>36</sup>Cl exposure dating.
- 2017.05 PAGES Open Science Meeting. Zaragoza, Spain: Holocene Climate Change (*Invited Speaker*).
- 2017.04 Northwestern University: Holocene Changes in the Greenland Ice Sheet (*Invited Speaker*).
- 2016.05 University of Wyoming: Northwest Greenland Deglaciation (*Invited Speaker*).
- 2015.11 University of Albany: Holocene Climate Change as Context for the Future (*Invited Speaker*).
- 2015.06 National Academy of Sciences, Kavil Frontiers of Science. Seoul, South Korea: Holocene Climate Change (*Invited Speaker*).
- 2015.04 University of Wisconsin-Madison, Geoscience Graduate Symposium: Holocene Climate Change and the Future of the Planet (*Keynote Speaker*).
- 2015.03 Leopoldina German National Academy of Sciences Meeting – Global Carbon Transfer Between Ocean, Atmosphere, and Land. Halle, Germany: Centennial Scale Changes in Atmospheric CO<sub>2</sub> over the last 70,000 years (*Invited Speaker*).
- 2015.03 University of Wisconsin-Madison, Climate Change Research Symposium: Holocene Climate Change as Context for the Future (*Invited Speaker*).
- 2015.02 University of Wisconsin-Milwaukee: Late Pleistocene Cirque Glaciation – No Neoglaciation in the western United States? (*Invited Speaker*).
- 2014.12 American Geophysical Union. San Francisco, CA: Long-term perspective underscores need for stronger near-term policies on climate change.
- 2014.12 National Institute of Polar Research Fifth Symposium on Polar Science. Tokyo, Japan: Abrupt Changes in the Global Carbon Cycle Over the Past 70ka (*Invited Speaker*).
- 2014.09 West Antarctic Ice Divide Meeting. La Jolla, California: Abrupt Changes in the Global Carbon Cycle Over the Past 70ka.

## MEMBERSHIP

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American Geophysical Union  
Geologic Society of America  
American Indian Science and Engineering Society  
Rosebud Sioux Tribe

## PROFESSIONAL SERVICES

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2016.09-present Department of Geoscience, Lecture Committee (current Chair)  
2016.09-present Department of Geoscience, Graduate Committee  
2018.04 Space Science and Engineering Center, Faculty Search Committee for Director  
2018.04 Department of Geoscience, Faculty Search Committee in Isotope Geochemist  
2017.05 University of Wisconsin-Madison Teaching and Learning faculty fellow  
2016.12 Meeting Convener – American Geophysical Union. San Francisco, CA. Abrupt Climate Change: Causes, Mechanisms and Consequences (PP Session).  
2014.12 Lead Meeting Convener – American Geophysical Union. San Francisco, CA. The Carbon Cycle on Millennial to Annual Timescales (Union Session).  
2014.10 Lead Workshop Organizer. Timberline Lodge, Mt. Hood, OR: Holocene Climate as Context for Future Climate Change.  
2014.10 Workshop Panelist – Interviewing for Faculty Positions, University of Wisconsin.

## THESES AND POSTDOCTORATES SUPERVISED

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### *Current*

2018.09 Shan Ye, Cyberinfrastructure Development and Application (PhD. expected 2022)  
2017.06 Harmony Liu (co-advised), Climate and Statistical Reconstruction in the Holocene and Pliocene using Data Assimilation (PhD. expected 2019)  
2016.10 Jeremiah Marsicek, The Holocene Climate Conundrum (Postdoc. 2016-present)  
2016.09 Cameron Batchelor, Paleoclimate Reconstructions at Cave of the Mound, Wisconsin (PhD. expected 2021)  
2015.09 Elizabeth Ceperley, Laurentide and Greenland Ice Sheet Dynamics (PhD. expected 2019)

### *Completed*

PhD 2018 Richard Becker, Tectonic and Glacial History of Sierra Nevada  
M.S. 2018 Cameron Batchelor, Paleoclimate Reconstructions at Cave of the Mound, Wisconsin  
P.doc 2018 Aaron Barth, Northern and Southern Alpine Glaciation  
B.S. 2018 Claire Vavrus, Holocene Alpine Glacial Histories in the western U.S.  
M.S. 2017 Melissa Reusche, Neoglacial advances of the Greenland Ice Sheet at Petermann Glacier

## PUBLICATIONS (\*student, postdocs)

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\*Batchelor, C.J., Orland, I.J., **Marcott, S.A.**, Slaughter, R., and Edward, L. (submitted *Nature Geoscience*)  
Permafrost conditions across two glacial periods from Mid-Latitude North America.  
Reilly, B.T., Stoner, J.S., Mix, A.C., Walczak, M.H., Jennings, A., Jakobsson, M., Dyke, L., Glueder, A., Nicholls, K., Hogan, K.A., Mayer, L.A., Hatfield, R.G., Albert, S., **Marcott, S.A.**, Fallon, S., and Cheseby, M. (submitted *Quaternary Science Reviews*) Holocene Break-up and Reestablishment of

the Petermann Ice Tongue, Northwest Greenland.

- Menking, J.A., Brook, E.J., Shackleton, S.A., Severinghaus, J.P., Dyonisius, M., Petrenko, V., McConnell, J.R., Rhodes, R.H., Bauska, T.K., Baggenstos, D., **Marcott, S.A.**, and Barker, S. (in revision *Climate of the Past*) Spatial pattern of accumulation at Taylor Dome during the last glacial inception: stratigraphic constraints from Taylor Glacier.
- Shackleton, S., Bereiter, B., Baggenstos, D., Bauska, T.K., Brook, E.J., **Marcott, S.A.**, Severinghaus, J.P. (in revision *Geophysical Research Letters*) Is the rate of ocean warming during the Younger Dryas overestimated?
- \*Barth, A.M., **Marcott, S.A.**, Licciardi, J.M., and Shakun, J.D. (in revision *Paleoceanography and Paleoclimatology*) Deglacial Thinning of the Laurentide Ice Sheet in the Adirondack Mountains, New York, Revealed by <sup>36</sup>Cl exposure dating.
- \*Ceperley, E.G., **Marcott, S.A.**, Rawling, J.E., Zoet, L.K., Zimmerman, S.K. (in revision *Geology*) The role of permafrost on the morphology of an MIS 3 moraine from the southern Laurentide Ice Sheet.
- Marcott, S.A.**, Clark, P.U., Shakun, J.D., Brook, E.J., Davis, P.T., and Caffee, M.W. (accepted *Nature Climate and Atmospheric Science*) <sup>10</sup>Be Age Constraints on Latest Pleistocene and Holocene Cirque Glaciation in the Western United States.
- \*Reusche, M.M., **Marcott, S.A.**, \*Ceperley, E.G., \*Barth, A.M., Brook, E.J., Mix, A.C., and Caffee, M.W., 2018, Early to Late Holocene Surface Exposure Ages From Two Marine-Terminating Outlet Glaciers, *Geophysical Research Letters* in Northwest Greenland, 45, 7028–7039. [doi.org/10.1029/2018GL078266](https://doi.org/10.1029/2018GL078266).
- Bauska, T.K., Brook, E.J., **Marcott, S.A.**, Shackleton, S., Baggenstos, D., Severinghaus, J.P., Petrenko, and V.V., 2018, Controls on Millennial-Scale Atmospheric CO<sub>2</sub> Variability During the Last Glacial Period, *Geophysical Research Letters*, 45, 7731–7740. [doi.org/10.1029/2018GL077881](https://doi.org/10.1029/2018GL077881)
- Zhu, J., Liu, Z., Brady, E.C., Otto-Bliesner, B.L., **Marcott, S.A.**, Zhang, J., Wang, X., Nusbaumer, J., Wong, T.E., Jahn, A., and Noone, D., 2018, Investigating the direct meltwater effect in terrestrial oxygen-isotope paleoclimate records using an isotope-enabled Earth system model, *Geophysical Research Letters*, [doi.org/10.1002/2017GL076253](https://doi.org/10.1002/2017GL076253).
- \*Barth, A.M., Clark, P.U., Clark, J., Roe, G.H., **Marcott, S.A.**, McCabe, A.M., Caffee, M., Cuzzone, J.K., and Dunlop, P., 2018, Persistent millennial-scale glacier fluctuations in Ireland between 24 ka and 10 ka, *Geology*, v. 46, p. 151-154.
- Marcott, S.A.** and Shakun, J.D., 2017, A record of ice sheet demise, *Science*, v. 358, p. 721-722 [doi:10.1126/science.aaq1179](https://doi.org/10.1126/science.aaq1179).
- Zhang, J., Liu, Z., Brady, E.C., Jahn, A., Oppo, D.W., Clark, P.U., **Marcott, S.A.**, Lindsay, K., 2017, Asynchronous warming and δ<sup>18</sup>O evolution of deep Atlantic water masses during the last deglaciation, *Proceedings of the National Academy of Sciences*, [doi.org/10.1073/pnas.1704512114](https://doi.org/10.1073/pnas.1704512114).
- Hansen, J., Sato, M., Kharecha, P., von Schuckmann, K., Beerling, D.J., Cao, J., **Marcott, S.A.**, Masson-Delmotte, V., Prather, M.J., Rohling, E.J., Shakun, J.D., and Smith, P., 2017, Young People's Burden: Requirement of Negative CO<sub>2</sub> Emissions, *Earth System Dynamics*, 8, 577-616, <https://doi.org/10.5194/esd-8-577-2017>.
- Wycech, J., Kelly, D.C., and **Marcott, S.A.**, 2016, Effects of Seafloor Diagenesis on Planktic Foraminiferal

- Radiocarbon Ages, *Geology*, v. 44, p. 551-554.
- Cuzzone, J.K., Clark, P.U., Carlson, A.E., Ullman, D.J., Rinterknecht, V.R., Lunka, J.P., Wohlfarth, B., **Marcott, S.A.**, and Caffee, M., 2016, Final deglaciation of the Scandinavian Ice Sheet and Holocene sea-level implications, *Earth and Planetary Science Letters*, v. 448, p.34-41.
- Bauska, T.K., Baggenstos, D., Brook, E.J., **Marcott, S.A.**, Mix, A.C., Severinghaus, J.P., Petrenko, V.V., Schaefer, H., and Lee, J.E., 2016, Carbon isotopes characterize rapid changes in atmospheric carbon dioxide during the last deglaciation, *Proceedings of the National Academy of Science*, doi: 10.1073/pnas.1513868113.
- Clark, P.U., Shakun, J.D., **Marcott, S.A.**, Mix, A.C., Bard, E., Eby, M., Kulp, S., Levermann, A., Milne, G.A., Pfister, P.L., Santer, B.D., Schrag, D.P., Solomon, S., Stocker, T.F., Strauss, B.H., Weaver, A.J., Winkelmann, R., Archer, D., Bard, E., Goldner, A., Lambeck, K., Pierrehumbert, R.T., and Plattner, G-K., 2016, Consequences of twenty-first-century policy for multi-millennial climate and sea-level change, *Nature Climate Change*, doi: 10.1038/nclimate2923.
- Shakun, J.D., Clark, P.U., **Marcott, S.A.**, Brook, E.J., and Caffee, M.W., 2015, <sup>10</sup>Be constraints on the timing of the Last Glacial Maximum and deglaciation in the northern Peruvian Andes, *Journal of Quaternary Science*, v. 30, p. 841-847.
- WAIS-Divide Project Members**, 2015, Precise inter-polar phasing of abrupt climate change during the last ice age: *Nature*, v. 520, p. 661–665, doi: 10.1038/nature14401.
- Marcott, S.A.** and Shakun, J.D., 2015, Holocene climate change and its context for the future, *PAGES News*, 23, p. 28
- Marcott, S.A.**, Bauska, T.K., Buizert, C., Steig, E.J., Rosen, J.L., Cuffey, K.M., Fudge, T.J., Severinghaus, J.P., Ahn, J., Kalk, M.L., McConnell, J.R., Sowers, T., Taylor, K.C., White, J.W.C. and Brook, E.J., 2014. Centennial Scale Changes in the Global Carbon Cycle During the Last Deglaciation, *Nature*, doi:10.1038/nature13799.
- Köhler, P., Fischer, H., Schmitt, J., Brook, E.J., and **Marcott, S.A.**, 2014, Comment on “Synchronous records of pCO<sub>2</sub> and Δ<sup>14</sup>C suggest rapid, ocean-derived pCO<sub>2</sub> fluctuations at the onset of Younger Dryas” by Steinthorsdottir et al, *Quaternary Science Reviews*, doi.org/10.1016/j.quascirev.2014.09.024.
- Marcott, S.A.**, Shakun, J.D., Clark, P.U., and Mix, A.C, 2013, A Reconstruction of Regional and Global Temperature for the past 11,300 Years. *Science*, doi 10.1126/science.1228026.
- Shakun, J.D., Clark, P.U., He, F., **Marcott, S.A.**, Mix, A.C., Liu, Z., Otto-Bliesner, B.L., Schmittner, A., and Bard, E. 2012. Global warming preceded by increasing carbon dioxide concentrations during the last deglaciation. *Nature*, doi:10.1038/nature10915.
- Marcott, S.A.**, Clark, P.U., Padman, L., Klinkhammer, G.P., Springer, S., Liu, Z., Otto-Bliesner, B.L., Carlson, A.E., Ungerer, A., Padman, J., He, F., Cheng, J. and Schmittner, A., 2011, Ice-shelf collapse from subsurface warming as a trigger for Heinrich events, *Proceedings of the National Academy of Sciences*, doi:10.1073/pnas.1104772108.
- Marcott, S.A.**, Fountain, A.G., O'Connor, J.E., Sniffen, P.J., and Dethier, D.P., 2009, A latest Pleistocene and Holocene glacial history and paleoclimate record at Three Sisters Volcanoes, Oregon, United States, *Quaternary Research*, v. 71, p. 181-189.

## ABSTRACTS (\*student, postdocs) (2014-present)

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- \*Ceperley, E.G., **Marcott, S.A.**, Rawling, J.E., Zoet, L.K., Zimmerman, S.K. (2019) North Central Geological Society of America. The role of permafrost on the morphology of an MIS 3 moraine from the southern Laurentide Ice Sheet.
- Morency, M.J., Ullman, D.J., Fitz, T.J., **Marcott, S.A.**, \*Barth, A.M., \*Ceperley, E.G., Breckenridge, A.J., Caffee, M.W. and Prince, K.K. (2018) American Geophysical Union. Establishing a New Chronology of Glacial Lake Duluth and its Implications for Ice Sheet Retreat in the Lake Superior Basin.
- Prince, K.K., Morency, M.J., Ullman, D.J., Fitz, T.J., \*Barth, A.M., \*Ceperley, E.G., **Marcott, S.A.** and Caffee, M.W. (2018) American Geophysical Union. Deglaciation of the Huron Mountains in Northern Michigan and the Implications for Continental Meltwater Routing
- \*Liu, H., Meyers, S.R., and **Marcott, S.A.** (2018) American Geophysical Union. A Sediment Mixing Model for Better Assessing Paleoclimate Data from Marine Records
- Brook, E.J., Bauska T.K., Lee, J., Rhodes, R., Schmitt, J., Fischer, H., **Marcott, S.A.**, Edwards, J.S., Menking, J.A., Ahn, J., and Kalk, M. (2018) American Geophysical Union. A synthesis of fast changes in greenhouse gases in ice cores.
- \* Batchelor, C.J., Orland, I.J., **Marcott, S.A.**, Slaughter, R., and Edward, L. (2018) American Geophysical Union. A high-precision U-Th chronology of calcite deposition at Cave of the Mounds, Wisconsin, and its implications for climate and permafrost in the late Pleistocene.
- \*Ceperley, E.G., **Marcott, S.A.**, \*Reusche, M.M., \*Barth, A.M., Brook, E.J., Mix, A.C., and Caffee, M.W. (2018) American Geophysical Union. Deglaciation of Nares Strait and Washington Land, northwest Greenland
- \*Batchelor, C.J., Orland, I.J., **Marcott, S.A.**, Slaughter, R., and Edward, L. (2018) North Central Geological Society of America. A high-precision U-Th chronology of calcite deposition at Cave of the Mounds, Wisconsin, and its implications for climate and permafrost in the late Pleistocene.
- \*Ceperley, E.G., **Marcott, S.A.**, and Rawling, J.E. III (2018) North Central Geological Society of America. A 10-Be based chronology for the Arnott Moraine of the Laurentide Ice Sheet, central Wisconsin
- \*Marsicek, J.P. and **Marcott, S.A.** (2018) European Geophysical Union. Global-to-Regional Scale Climate Trends and Variability over the Holocene
- \*Ceperley, E.G., **Marcott, S.A.**, Reusche, M.M., Barth, A.M., Brook, E.J., Mix, A.C., and Caffee, M.W. (2017) Geological Society of America. Deglaciation of Nares Strait and Washington Land, northwest Greenland
- \*Batchelor, C.J., Orland, I.J., **Marcott, S.A.**, Slaughter, R., and Edward, L. (2017) Geological Society of America. A high-precision U-Th chronology of calcite deposition at Cave of the Mounds, Wisconsin, and its implications for climate and permafrost in the late Pleistocene
- \*Vavrus, C.E., \*Barth, A.M., **Marcott, S.A.**, \*Ceperley, E.G., Shakun, J.D., and Caffee, M.W. (2017) Geological Society of America. A late Holocene <sup>10</sup>Be based glacial chronology for the Beartooth Mountains, southwestern Montana
- \*Becker, R., \*Barth, A.M., **Marcott, S.A.**, and Tikoff, B. (2017) Geological Society of America. Constraining the timing and magnitude of deglaciation in the west-central portion of the Sierra Nevada Mountains (USA) from the LGM to the Holocene

- \*Barth, A.M., **Marcott, S.A.**, Shakun, J.D., Licciardi, J.M., and \*Horvath, A. (2017) Geological Society of America. Early deglacial thinning of the Laurentide Ice Sheet followed by rapid regional deglaciation.
- \*Barth, A.M., Clark, P.U., Clark, J., **Marcott, S.A.**, McCabe, A.M., Caffee, M. Cuzzone, J.K., and Dunlop, P. (2017) PAGES Open Science Meeting. Persistent millennial-scale cirque-glacier fluctuations in Ireland between 24,000 and 10,000 years ago.
- Bauska, T.K., Brook, E.J., **Marcott, S.A.**, Baggenstos, D., Shackelton, S., Severinghaus, J.P., Petrenko, and V.V. (2017) PAGES Open Science Meeting. Abrupt climate change events and atmospheric CO<sub>2</sub>: constraints from ice core  $\delta^{13}\text{C}$ -CO<sub>2</sub> during the last glacial period.
- Brook, E.J., Rhodes, R., **Marcott, S.A.**, Lee, J., Edwards, J., Bauska T.K., Ahn, J., Kalk, M., Schmitt, J., and Fischer, H. (2017) PAGES Open Science Meeting. New observations of past, fast changes in greenhouse gases.
- \*Ceperley, E.G. and **Marcott, S.A.** (2017) PAGES Open Science Meeting. A Late Pleistocene Meltwater Routing Record from the Gulf of Mexico.
- Marcott, S.A.**, \*Marsicek, J., Rouston, C., Shakun, J.D., Kaufman, D., and McKay, N. (2017) PAGES Open Science Meeting. Holocene Climate Change: A Data Perspective.
- \*Reusché, M.M., \*Ceperley, E.G., **Marcott, S.A.**, Brook, E.J., and Mix, A.C. (2016) American Geophysical Union, Surface Exposure dating of glaciated landscapes in Washington Land, northwest Greenland.
- Brook, E.J., Lee, J., Edwards, J., Bauska, Rhodes, R., T.K., Buffen, A., **Marcott, S.A.**, Ahn, J., Petrenko, V., Schmitt, J., and Fischer, H. (2016) American Geophysical Union, Abrupt changes in atmospheric carbon dioxide and methane during Heinrich Stadials from very high resolution ice core data.
- Brook, E.J., **Marcott, S.A.**, Bauska, T.K., Buffen, A., Edwards, J.S., Ahn, J., Rhodes, R., Severinghaus, J., Petrenko, V., Menking, A., Kalk, M. (2016) International Polar Ice Core Meeting: Links between abrupt change in tropical hydroclimate, high-latitude climate change, and atmospheric greenhouse gases during the last ice age.
- Ahn, J., Brook, E.J., and **Marcott, S.A.** (2015) American Geophysical Union: Atmospheric CO<sub>2</sub> and carbon cycle during the late Holocene.
- Brook, E.J., Rhodes, R., **Marcott, S.A.**, Bauska, Edwards, J.S., Rosen, J., Severinghaus, J., Petrenko, V., Menking, A., Kalk, M. (2015) American Geophysical Union: Links between abrupt change in tropical hydroclimate, high-latitude climate change, and atmospheric greenhouse gases during the last ice age.
- Davis, P.T., **Marcott, S.A.**, Bucci, G., Clark, P.U., Caffee, M.W., and Cuzzone, J.C. (2015) International Quaternary Association: Age of the Type Satanta Peak Moraine, Colorado Front Range, USA.
- Hoffman, J.S., Clark, P.U., Pisias, N.G., **Marcott, S.A.**, and Shakun, J.D. (2015) International Quaternary Association: Reconstructing global sea surface temperatures during the last interglaciation.
- Ahn, J., Brook, E.J., and **Marcott, S.A.** (2014) European Geophysical Union: Atmospheric CO<sub>2</sub> and carbon cycle during the late Holocene.
- Hoffman, J.S., Clark, P.U., Pisias, N.G., **Marcott, S.A.**, and Shakun, J.D. (2014) American Geophysical Union: Estimating age model uncertainties for the last interglaciation.
- Bill, N., Clark, P.U., Kurz, M.D., Marcott, S.A., and Caffee, M. (2014) American Geophysical Union:

Constraints on the last deglaciation of the Ross Sector of the West Antarctic Ice Sheet (WAIS) from  $^{10}\text{Be}$  dating

- Schmitt, J., Eggleston, S., **Marcott, S.A.**, Brook, E.J., Chappellaz, J.A., Köhler, P., Joos, F., and Fischer, H. (2014) American Geophysical Union: Atmospheric  $\text{CO}_2$  Reconstructions from Polar Ice: What Do High-Resolution  $\text{CO}_2$  Records and  $\delta^{13}\text{CO}_2$  Analyses Tell Us about Past Climate and Global Carbon Cycle Processes?
- Cuzzone, J.K., Clark, P.U., **Marcott, S.A.**, Carlson, A.E., Ullman, D.J., Lunkka, J.P., Wohlfarth, B., and Caffee, M.W. (2014) American Geophysical Union: Holocene deglaciation of the Scandinavian Ice Sheet and Implications for Late-Glacial Sea-Level Rise
- Fischer, H., Schmitt, J., Schneider, R., Eggleston, S., Joos, F., Bauska, T., **Marcott, S.A.**, Brook, E.J., Köhler, P., and Chappellaz, J. (2014) Leopoldina German National Academy of Sciences Meeting: Last insights into past carbon cycle changes from  $\text{CO}_2$  and  $\delta^{13}\text{C}_{\text{atm}}$ .