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Pacific Climate Impacts Consortium
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EDUCATION M.Sc. Computer and Information Science, June, 2006
University of Oregon, Eugene, OR

B.A. Computer Science, May, 2002
Goshen College, Goshen, IN

POSITIONS ***Lead, Computational Support***
Pacific Climate Impacts Consortium
University of Victoria
October 2009 - Present

Physical Scientist
National Oceanic and Atmospheric Administration
US Department of Commerce
January 2007 - September 2009

Graduate Research Fellow
Beyond BGP Project, University of Oregon
March 2005 - February 2007

Graduate Teaching Fellow
Department of Computer and Information Science
September 2002 - March 2005

PUBLICATIONS
AND
PRESENTATIONS

- Hiebert et al., (2018). *ClimDown: Climate Downscaling in R*. Journal of Open Source Software, 3(22), 360, <https://doi.org/10.21105/joss.00360>
- *Measurement Units in R*. Edzer Pebesma, Thomas Mailund and James Hiebert. The R Journal Vol. 8/2. December 2016.
- *High performance climate downscaling in R*. James Hiebert. UseR! 2016. Palo Alto, CA.
- *Serving high-resolution spatiotemporal climate data is hard: lets go shopping*. James Hiebert. Free and Open Source Software for Geospatial, September 2014. Portland, OR.
- *Web delivery of giant climate data sets to facilitate open science*. James Hiebert. Free and Open Source Software for Geospatial North America, May 2013. Minneapolis, MN.
- *Web services for open meteorological data in British Columbia*. James Hiebert, Faron Anslow. Fall Meeting of the American Geophysical Union, December 2012. San Francisco, CA.

- *Improved climate monitoring in British Columbia*. Dave Rodenhuis, E.J. Weick, J. Hiebert, A. Soux, L. Pitt. 23rd Conference on Climate Variability and Change, January 2011. Seattle, WA.
- *Estimation of Sounding Uncertainty from Measurements of Water Mass Variability*. Jonathan Beaudoin, Brian Calder, James Hiebert, Gretchen Imahori. International Hydrographic Review, November 2009.
- *Uncertainty Wedge Analysis: Quantifying the Impact of Sparse Sound Speed Profiling Regimes on Sounding Uncertainty*. Jonathan Beaudoin, James Hiebert, Brian Calder, Gretchen Imahori. US Hydrographic Conference, May 2009. Norfolk, VA.
- *Sound Speed Uncertainty Modeling* (presentation). James Hiebert. NOAA Field Procedures Workshop, January 2009. Norfolk, VA.
- *Digital DR - A metadata-based approach to documenting hydrographic surveys* (presentation). Jeremy McHugh, James Hiebert, John Tucker. NOAA Field Procedures Workshop, January 2009. Norfolk, VA.
- *An Algorithm for Estimating the Sound Speed Component of Total Depth Uncertainty*. Gretchen Imahori, James Hiebert. Canadian Hydrographic Conference, May 2008. Victoria, BC.
- *The digital descriptive report: a metadata-based approach to documenting hydro surveys*. Jeremy McHugh, James Hiebert, John Tucker, Dan Neumann. Canadian Hydrographic Conference, May 2008. Victoria, BC.
- *Testing the reachability of (new) address space*. Randy Bush, James Hiebert, Olaf Maennel, Matthew Roughan, Steve Uhlig. ACM SIGCOMM Workshop on Internet Network Management (INM) 2007. Kyoto, Japan.
- *Determining the Cause and Frequency of Routing Instability with Anycast*. James Hiebert, Peter Boothe, Randy Bush and Lucy Lynch. Asian Internet Engineering Conference (AINTEC) November 2006. Bangkok, Thailand.
- *How Prevalent is Prefix Hijacking on the Internet?* (presentation). Peter Boothe, James Hiebert, Randy Bush and Lucy Lynch. NANOG 36. 2006. Dallas, TX.
- *On the Feasibility of Distributed Real-Time Multiplayer Games*, James Morrow Hiebert, December, 2004.

CONFERENCE
ATTENDANCE

- O'Reilly OSCON (Open Source Convention). July 2018. Portland, OR.
- PyCon US. May 2018. Cleveland, OH.
- Earth System Grid Federation (ESGF) Face-to-Face Conference. December 2017. San Francisco, CA.
- PyCon US. May 2017. Portland, OR.
- UseR! July 2016. Palo Alto, CA.
Presented "High performance climate downscaling in R"
- PyCon US. May 2016. Portland, OR.

- PyCon North America. April 2015. Montreal, QC.
- FOSS4G. September 2014. Portland, OR.
Presented “Serving high-resolution spatiotemporal climate data is hard: lets go shopping”
- PyCon North America. April 2014. Montreal, QC.
- FOSS4G North America. May 2013. Minneapolis, MN.
Presented “Web delivery of giant climate data sets to facilitate open science”
- PyCon US. March 2013. Santa Clara, CA.
- Fall Meeting of the American Geophysical Union. December 2012. San Francisco, CA.
Presented “Web services for open meteorological data in British Columbia”
- PyCon US. March 2012. Santa Clara, CA.
- Exploring Regional Climate Services: Meeting Stakeholder Needs for Practical Climate Information. November 2011. Victoria, BC.
- CMOS Congress: Ocean, Atmosphere and the Changing Pacific. June 2011. Victoria, BC.
- 91st American Meteorological Society Annual Meeting. January 2011. Seattle, WA.
- U.S. Hydro Conference 2009. Norfolk, VA.
- Shallow Survey Conference 2008. Portsmouth, NH.
- Canadian Hydro Conference 2008. Victoria, BC.
- U.S. Hydro 2007. Norfolk, VA.
- Asian Internet Engineering Conference (2006)
Presented “Determining the Cause and Frequency of Routing Instability with Anycast”
- North American Network Operators’ Group 36 (2006)
Presented “How Prevalent is Prefix Hijacking on the Internet?”
- North American Network Operators’ Group 34 and 35 (2005)
- ACM SIGCOMM (2004)
- ACM Computers, Freedom and Privacy Conference (2004)