

## CAMILLE LI – CV

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### EDUCATION

- 2007 **Ph.D.**, Atmospheric Sciences, University of Washington (UW), Seattle, WA  
A general circulation modelling perspective on abrupt climate change (DS Battisti)
- 1999 **M.Sc.**, Geophysics, University of British Columbia (UBC), Vancouver, BC  
The effect of surface wettability on the dielectric properties of contaminated sands (R Knight)
- 1996 **B.Sc.(Hons.)**, Engineering Physics, Queen's University (QU), Kingston, ON  
Heat dissipation in the IMAX projection system (B Castel)

### EXPERIENCE

- Positions
  - associate professor in climate dynamics: Centre for Climate Dynamics at the Bjerknes Centre, University of Bergen (UiB), Bergen, Norway (2012–)
  - research scientist: Bjerknes Centre for Climate Research (BCCR), Bergen, Norway (2011–2012)
  - postdoctoral research fellow: Department of Earth Science, UiB and BCCR, Bergen, Norway (2007–2010)
  - guest investigator: Geology and Geophysics, Woods Hole Oceanographic Institution (WHOI), Woods Hole, USA (2009)
  - research assistant: Geophysics and Astronomy, UBC, Vancouver, Canada (1999–2000)
  - field assistant, characterization of snow pack on ice floes: Geophysical Institute, University of Alaska Fairbanks, USA (Ross Sea, Antarctica, 1999)
  - undergraduate intern, development of gait analysis software: Human Movement Research Program, Hugh Macmillan Rehabilitation Centre, Toronto, Canada (1995)
- Teaching
  - invited lecturer – Dynamic Meteorology: Departament d'Astronomia i Meteorologia, University of Barcelona (2008)
  - teaching assistant, graduate class – Climate Dynamics: UW (2002, 2004)
  - teaching assistant, undergraduate class – Climate and Climate Change: UW (2002)
  - laboratory instructor, undergraduate class – Experimental Geophysics: UBC (1998)

### PUBLICATIONS

- Bethke, I, C Li and KH Nisancioglu, Can we use ice sheet reconstructions to constrain meltwater for deglacial simulations?, *Paleoceanography*, 27, PA2205, doi:10.1029/2011PA002258, 2012.
- Li, C and JJ Wettstein, Thermally-driven and eddy-driven jet variability in reanalysis, *J. Climate*, 25, 1587-1596, 2012.
- Pausata, FSR, C Li, JJ Wettstein, M Kageyama and KH Nisancioglu, The key role of topography in altering North Atlantic atmospheric circulation during the last glacial period. *Clim. Past.*, 7, 1089–1101, 2011.

- Li, C, DS Battisti, CM Bitz, Can North Atlantic sea ice anomalies account for Dansgaard-Oeschger climate signals?, *J. Climate*, 23, 5457–5475, 2010.
- Pausata, FSR, C Li, JJ Wettstein, KH Nisancioglu and DS Battisti, Changes in atmospheric variability in a glacial climate and the impacts on proxy data: a model intercomparison, *Clim. Past*, 5, 489–502, 2009.
- Li, C and DS Battisti, Reduced Atlantic storminess during Last Glacial Maximum: Evidence from a coupled climate model, *J. Climate*, 21, 3561–3579, 2008.
- Li, C, DS Battisti, DP Schrag and E Tziperman, Abrupt climate shifts in Greenland due to displacements of the sea ice edge, *Geophys. Res. Lett.*, 32, L19702, doi:10.1029/2005GL023492, 2005.
- Li, C, P Tercier and R Knight, The effect of sorbed oil on the dielectric response of sand and clay, *Water Resour. Res.*, 37(6), 1783-1794, 2001.

## INVITED TALKS

- Modes of variability in the climate system: Past-Present-Future, ESF Research Conference, Oberurgl, Austria, May 2012.
- Ice age climate flip-flops: No need for cold feet, SKD Opening and Seminar Days, Bergen, Norway, December 2011.
- Atmospheric Sciences Seminar, Seoul National University, Seoul, South Korea, May 2011.
- School of Earth and Environmental Sciences Seminar, Seoul National University, Seoul, South Korea, May 2011.
- Geochemistry Division Seminar, Lamont-Doherty Earth Observatory, Palisades, NY, October 2010.
- On the role of North Atlantic sea ice displacements in Dansgaard-Oeschger cycles, CMOS-CGU Congress, Ottawa, Canada, June 2010.
- Physical Oceanography Seminar, WHOI, Woods Hole, MA, April 2010.
- Geology and Geophysics Seminar, WHOI, Woods Hole, MA, April 2009.
- Atmospheric and Oceanic Sciences Departmental Seminar, McGill University, Montréal, QC, March 2008.
- Bjerknes Days, Bergen, Norway, November 2007.
- Workshop on the role of sea ice in the global climate system, BCCR, Bergen, Norway, May 2005.
- Chemical Oceanography Seminar, MIT, Boston, MA, April 2005.

## SELECTED PRESENTATIONS

- Linking jet variability and jet driving processes in the midlatitudes, Oral presentation – EGU General Assembly, Vienna, Austria, April 2012.
- Eddy-driven and subtropically-influenced jet variability structures in the observed three-dimensional wind field, Oral presentation – CMOS-CGU Congress, Ottawa, Canada, June 2010.
- Extratropical atmospheric teleconnections in a range of climates, Oral presentation – AGU Fall Meeting, San Francisco, CA, December 2009.
- “Theory” versus (a) model: Exploring atmospheric circulation changes from cold to warm climates, Oral presentation – Bjerknes-GFI Colloquium, BCCR, Bergen, Norway, February 2009.
- Large-scale flow variability in glacial and greenhouse climates, Oral presentation – Conference on Teleconnections in the Atmosphere and Oceans, International Centre for Theoretical Physics, Trieste, Italy, November 2008.

- North Atlantic sea surface conditions and Greenland precipitation during LGM: A modelling study, Oral presentation – AGU Fall Meeting, San Francisco, CA, December 2006
- Last Glacial Maximum variability (a NH-centric view), Oral presentation – Dynamics Seminar, UW, Seattle, WA, May 2005.

## ACADEMIC SERVICE

### Internal service

- member of local committee for Bjerknes Centre 10-Year Anniversary Conference: Climate Change in High Latitudes (BCCR, 2011–2012)
- member of admission committees for PhD and postdoc positions (UiB, 2007–present)
- internal pre-submission review of manuscripts (BCCR, 2007–present)
- organizing committee of Bjerknes Getaway 2011 retreat (BCCR)
- thesis committee of Ingo Bethke (UiB, 2010–present), Francesco SR Pausata (UiB, 2007–2010)
- co-organizer of the Bjerknes Lecture Series (BCCR, 2007–2008)
- undergraduate intern supervisor of G. Magda (BCCR, 2007)

### Professional activities

- reviewer of manuscripts for *Clim. Dyn.*, *Clim. Past*, *Dyn. Atmos. Oceans, Geophys. Res. Let.*, *J. Atmos. Sci.*, *J. Climate*, *Nature Geosci.*, *Tellus*
- session convener for 22nd VM Goldschmidt Conference, 2012, Montreal, Canada
- member of AGU, EGU
- volunteer telementor for the Society for Canadian Women in Science and Technology (1998–2006)

## WORKSHOPS

- Warm climates of the past – a lesson for the future? Royal Society, London, UK, 2011
- Paleoclimate Modeling Intercomparison Project Phase 2, Estes Park, CO, 2008
- Comer Abrupt Climate Change Fellowship Meeting, Palisades, NY, 2004, 2005, 2006
- Multidecadal Climate Variability and Teleconnection Dynamics, UiB, Finse and Bergen, Norway, 2006
- CCSM Polar Climate Working Group Meeting, NCAR, Boulder, CO, 2005, 2006
- Summer School for the Modeling of Arctic Climate, International Arctic Research Center, Fairbanks, AK, 2003
- Grand Combin Summer School, Paleoclimate: Combining Observations and Dynamics, Valle d’Aosta, Italy, 2003
- NCCR Climate Summer School: Variability, predictability and climate risks, Grindelwald, Switzerland, 2002