

LANA COHEN

Owner, Vortex Science & Technical Services
Moscow, Idaho, USA
lane@vortexsci.com

EDUCATION

Ph.D., Geophysics, (2009—2013) Victoria University, Wellington, New Zealand
Dissertation: *“Atmospheric variability and precipitation in the Ross Sea region, Antarctica”*; Advisor: Dr. Sam Dean

M.S., Atmospheric and Oceanic Sciences, (2003—2006) University of Colorado, Boulder
Thesis: *“Boundary Layer Dynamics and Ozone Fluxes at Summit, Greenland”*; Advisor: Dr. Detlev Helmig

B.S., Geology, *summa cum laude*, (1996—1999) University of Montana, Missoula
Thesis: *“Determining the Density of PreCambrian Belt Supergroup near Missoula”*; Advisor: Dr. Steve Sheriff

B.A., French, *magna cum laude*, (1996—1999) University of Montana, Missoula

EMPLOYMENT

Owner, Atmospheric Science Consultant, [Vortex Science & Technical Services](http://www.vortexsci.com), Moscow, Idaho (Oct 2018—present)

Postdoctoral Fellow, Atmospheric Physics, Norwegian Polar Institute, Tromsø, Norway (Oct 2014—Oct 2018)

Science Technician (seasonal deployments):

Summit Station, Greenland, Polar Field Services and NOAA (Jun—Oct 2014; Aug—Nov 2013; May—Jun 2010; Apr—Aug 2009; Oct 2007—Mar 2008; Aug 2006—Nov 2006; Feb 2005—May 2005)

South Pole Station, NOAA (Nov 2009)

Palmer Station, Antarctica, Raytheon Polar Field Services (Jan 2007—Sep 2007)

Researcher, Antarctic Research Centre, Victoria University Wellington, New Zealand (May 2013—Aug 2013)

Operations Scientist, GeoNet Hazard Network, GNS Science, Wellington, New Zealand (Sep 2008—Apr 2009)

Research Assistant, Institute of Arctic and Alpine Research (INSTAAR), University of Colorado, Boulder (May 2004—Dec 2005)

Environmental Geologist, Paug Vik Development Corp., Anchorage, Alaska (Apr 2001—Aug 2003)

TEACHING ACTIVITIES

Seminar: Washington State University, Dept. Civil & Environmental Engineering, Graduate student seminar (Nov 2017)

Teaching Assistant: 'Antarctica: Unfreezing the Continent' (ESCI 132); Victoria University Wellington (Trimester 2, 2010, Trimester 2, 2011, Trimester 2, 2012)

Teaching Assistant: 'Climate Change and NZ's Future' (ESCI 201), Victoria University Wellington (Trimester 3 2009)

Teaching Assistant: 'Weather and the Atmosphere Laboratory' (ATOC 1070); University of Colorado, Boulder (Autumn Semester 2003, Autumn Semester 2004)

Teaching Assistant: 'Weather and the Atmosphere' (ATOC 1050), University of Colorado, Boulder (Spring Semester 2004)

SCIENCE OUTREACH

Public talk: University of Toronto, [ID Arctic Workshop](#), Feb 9, 2018

Blog posts: [N-ICE2015 project page](#)

Social media: [Twitter](#), [Facebook](#), and [Instagram](#)

Journalist interviews: [WSU Magazine, Summer 2016](#), *vol15no3, pg.14-16*; [National Geographic expedition dispatch, Mar 10, 2015](#); [Suuluk, Air Greenland magazine](#), *nr.6, 2014, pg.16-17*.

AWARDS

2014: S.T. Lee Young Researcher Travel Award (scientist exchange with University of Alaska Fairbanks)

2013: Victoria University Doctoral Submission Scholarship

2012: Victoria University Faculty Strategic Research Grant

2012: Antarctic Research Centre Endowed Development Fund

2011: Victoria University Doctoral Scholarship

2009: Sir Robin Irvine Doctoral Scholarship, Antarctica New Zealand

CERTIFICATIONS & TRAINING

Advanced Fire Weather Forecasters Course (UCAR/Comet, MetEd), *Jul 2019*

Intermediate Wildland Fire Behavior Course: S-290 (UCAR/Comet, MetEd), *Jul 2019*

Air Pollution Control Course: SI-422 (EPA Air Pollution Training Institute), *Apr 2019*

Glacier Safety & Travel, (Norwegian Polar Institute, Svalbard), *Apr 2019, Apr 2018, Apr 2016*

Firearms Training, (Norwegian Polar Institute, Svalbard), *Apr 2019, Apr 2018, Apr 2016, Feb 2015*

Wilderness First Responder (WFR) (Wilderness Medicine Institute, NOLS), *May 2014; Jun 2009; Oct 2007; Jan 2005*

Competent Tower Climber/Rescuer (Vertical Rescue Solutions, Denver, CO), *May 2014*

4WD Vehicle Operations (New Zealand Qualifications Authority), *Nov 2008*

ATV Operations (New Zealand Qualifications Authority), *Nov 2008*

Ocean Search & Rescue (Alaska Marine Safety), *Feb 2007*

Professional Fire-Fighting Training (Red Rocks Fire Training Academy, Arvada, CO), *Feb 2007*

HAZWOPER (Hazardous Waste Operations) (AGC Safety, Inc., Anchorage, AK), *May 2003; May 2002; May 2001*