

## YAQIONG WANG

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### EDUCATION

- 2015 to 2018: University of Victoria (UVic), Victoria, Canada  
**M.Sc. in Geography**  
Supervisors: Dr. Francis Zwiers and Dr. David Atkinson
- 2009 to 2013: Nanjing University of Information Science and Technology (NUIST), Nanjing, China  
**B.Sc. in Atmospheric Science**

### WORK EXPERIENCE

2018.04 to present: **Research Associate**, Pacific Climate Impacts Consortium (PCIC)

- Big data acquisition and processing (billions);
- Extreme analysis on snow, precipitation and temperature for building design purposes.

2015.05 to 2018.03: **Research Assistant**, PCIC

- Implemented statistical homogenization procedures on large climate observations (millions) with different quality and time scale;
- Spatially interpolated climate data on grids and analyzed regional climate variability.

2016.09 to 2016.12: **Lab Instructor**, UVic

- Taught GEOG 272 "Climate and Hydrology" lab session;
- Instructed students on using instruments to gather weather data and conducted weather analysis;
- Assisted in marking examinations and lab reports.

2013.01 to 2013.02: **Internship**, Ningxia Meteorological Bureau, China

- Forecasted weather based on Meteorological Information Comprehensive Analysis and Process System (MICAPS) - a standard graphics workbench that contains NWP products, such as ECMWF;
- Collected, analyzed and reported results on local synoptic systems.

### VOLUNTEER SERVICES

2018.12 to present: **Steering Committee Member** at BC Sustainable Energy Association (BCSEA), Victoria

- Provide support on "100% Renewable Energy" target;
- Help the association organize community engaged events, such as Energy Efficiency Incentives Talk.

2014.05 to 2014.09: **Project Facilitator** at Fairfield Gonzales Community Association, Victoria

- Enhanced community's awareness on "Environmental Sustainability" by organizing a series of activities;
- Established new partnership for the association, including BCSEA;
- Recognized by "Volunteer Victoria" as a volunteer model of the year (2015-2016).

## **AWARDS AND GRANTS**

- Graduate Studies Stipend, PCIC, 2015-2018;
- Graduate Award, Uvic, 2017;
- Travel Grant, Faculty of Graduate Studies, UVic, 2016, 2017;
- School of Atmospheric Science Scholarship Recipient, NUIST, 2010, 2013;
- Award for Merit Student, NUIST, 2013;
- Outstanding Student Leader Award, NUIST, 2010;
- Outstanding Volunteer Award, NUIST, 2010.

## **SKILLS AND OTHER STUDIES**

- Software and Programming Languages: R, PostgreSQL, Linux, QGIS.
- Additional studies: Statistics with R (Coursera); Foundations of Project Management (Mitacs); Toastmaster.

## **PRESENTATIONS AND WRITINGS**

- Oral Presentation:  
*Homogenization Project Update*
  - April 2017: Climate Related Monitoring Program, Face 2 Face Meeting, Victoria
- Poster Presentations:  
*Homogenization of Monthly Temperature Data and Trend Analysis in British Columbia*
  - Jan 2018: CatIQ's Canadian Catastrophe Conference (C4 2018), Gatineau
  - June 2017: 51<sup>st</sup> CMOS Congress, Toronto
  - June 2016: 13<sup>th</sup> International Meeting on Statistical Meteorology, Canmore
- Writings:
  - Thesis: **Y. Wang**, 2018. Statistical Homogenization of Undocumented Monthly Temperature Data in British Columbia for Trend Analysis. URL: <https://dspace.library.uvic.ca//handle/1828/9297>
  - Report: Anslow, F.S. and **Y. Wang**, 2016. Statistical Homogenization of Temperature Data from the Williston Basin and Campbell River Regions of British Columbia. Pacific Climate Impacts Consortium, University of Victoria, Victoria, B.C., 32 pp.