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HO NAM CHEUNG (HOFFMAN)

Present Position Held Postdoctoral Fellow

Present Affiliation Geophysical Institute, University of Bergen, Bergen, Norway

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EDUCATION

City University of Hong Kong, Hong Kong, China

PhD, Atmospheric Science — Oct 2015

Dissertation: "Observed and Simulated Ural Blocking and Its Impact on East Asian Winter Monsoon".

MPhil, Atmospheric Science — Oct 2011

Dissertation: "Anomalous East Asian Winter Monsoon in Relation to Symbolic Eurasian Blocking Pattern".

BSc with Honors, Applied Physics — Aug 2008

RESEARCH EXPERIENCE

Postdoctoral Fellow, University of Bergen, Jun 2016–present

Senior Research Assistant, City University of Hong Kong, Jun 2015–Jun 2016

Research Associate, City University of Hong Kong, Mar 2012–May 2012

Research Assistant, City University of Hong Kong, Sep 2011–Feb 2012

Research Assistant, City University of Hong Kong, Aug 2008–Aug 2009

TEACHING EXPERIENCE

City University of Hong Kong, Climate Change and Extreme Weather

Teaching Assistant, Semester A: 2012–13, 2013–14; Semester B: 2013–14.

City University of Hong Kong, Environmental Data Analysis

Teaching Assistant, Semester A: 2014–15; Semester B: 2010–11.

AWARDS

2015 Esteemed Paper Prize of Advance in Atmospheric Sciences — Mar 2015

- *Awarding body:* Advance in Atmospheric Sciences.
- *Awarded paper:* Revisiting the Climatology of Atmospheric Blocking in the Northern Hemisphere.

- *Cash prize:* RMB$6,000.

Outstanding Academic Performance Award for research degree students — Sep 2014

- *Awarding body:* City University of Hong Kong.
- *Cash prize:* HK$1,000.

School of Graduate Studies Scholarship — Apr 2014–Mar 2015

- *Awarding body:* City University of Hong Kong.
- *Cash prize:* HK$60,000.

Best Student Presentation Award in the Fifth East Asia and Western Pacific Conference on Meteorology and Climate — Nov 2013

- *Awarding body:* Hong Kong Meteorological Society.
- *Awarded paper:* The Implication of Ural Blocking on the East Asian Winter Climate in CMIP5 Models.

Outstanding Academic Performance Award for research degree students — Sep 2013

- *Awarding body:* City University of Hong Kong.
- *Cash prize:* HK$1,000.

The Zhu Kezhen Prize — Nov 2012

- *Awarding body:* Hong Kong Meteorological Society.
- *Awarded paper:* Relationship between Ural-Siberian Blocking and the East Asian Winter Monsoon in Relation to the Arctic Oscillation and the El Niño/Southern Oscillation.

REFEREED JOURNALS

Cheung H. N., W. Zhou, M. Y. T. Leung, C. M. Shun, S. M. Lee, and H. W. Tong, 2016: A Strong Phase Reversal of the Arctic Oscillation in Midwinter 2015/16: Role of the Stratospheric Polar Vortex and Tropospheric Blocking. *Submitted to Journal of Geophysical Research: Atmospheres.*

Cheung H.N., and W. Zhou, 2016: Simple Metrics for Representing East Asian Winter Monsoon Variability: Ural Blocking and Western Pacific Teleconnection Pattern. *Advances in Atmospheric Sciences.* **33**, 695–705.

Leung Y. T., H. N. Cheung, and W. Zhou, 2016: Mechanism of the Meridional Displacement of the East Asian Trough and Its Response to ENSO Forcing. *Climate Dynamics.* In Press.

Cheung H. N., W. Zhou, S. M. Lee, and H. W. Tong, 2015: Interannual and Interdecadal Variability of the Number of Cold Days in Hong Kong and Their Relationship with Large-scale Circulation. *Monthly Weather Review*. **143**, 1438–1454.

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Cheung H.N., and W. Zhou, 2015a: Implications of Ural blocking for East Asian Winter Climate in CMIP5 GCMs. Part I: Biases in the Historical Scenario. *Journal of Climate.* **28**, 2203–2216.

Cheung H.N., and W. Zhou, 2015b: Implications of Ural blocking for East Asian Winter Climate in CMIP5 GCMs. Part II: Projection and Uncertainty in Future Climate Conditions. *Journal of Climate.* **28**, 2217–2233.

Leung Y. T., H. N. Cheung, and W. Zhou, 2015: Energetic and Dynamics Associated with Two Typical Mobile Trough Pathways over East Asia in Boreal Winter. *Climate Dynamics.* **44**, 1611–1626.

Cheung H.N., W. Zhou, H. Y. Mok, and M. C. Wu, and Y. Shao, 2013a: Revisiting the Climatology of Atmospheric Blocking in the Northern Hemisphere. *Advances in Atmospheric Sciences*, **30**, 397-410.

Cheung H.N., W. Zhou, Y. Shao, W. Chen, H. Y. Mok, and M. C. Wu, 2013b: Climatology and Characteristics of Wintertime Atmospheric Blocking over Ural-Siberia. *Climate Dynamics*, **41**, 63-79.

Kim J. S., W. Zhou, H. N. Cheung, and C. H. Chow, 2013: Variability and Risk Analysis of Hong Kong Air Quality Based on Monsoon and El Niño Conditions, *Advances in Atmospheric Sciences*, **30**, 280-290.

Cheung H.N., W. Zhou, H. Y. Mok, and M. C. Wu, 2012: Relationship between Ural-Siberian Blocking and the East Asian Winter Monsoon in Relation to the Arctic Oscillation and the El Niño/Southern Oscillation. *Journal of Climate*, **25**, 4242-4257.

CONFERENCE PAPERS SINCE 2013

Zhou W., and H. N. Cheung*: "Biases and Projected Uncertainty of Wintertime Ural Blocking in CMIP5 Models", East Asian Climate 13th Workshop, Beijing, China, 24–25 Mar 2016. *(*presenting author)*

Cheung H. N., and W. Zhou: "Observed and Simulated Linkage between Ural Blocking and East Asian Winter Climate", Understanding, Modeling and Predicting Weather and Climate Extreme Workshop, Oslo, Norway, 5–7 Oct 2015.

Cheung H. N., and W. Zhou: "Observed and Future Changes of Ural Blocking and East Asian Winter Climate", AOGS-AGU (WPGM) Joint Assembly, Singapore, 2–8 Aug 2015.

Cheung H. N., and W. Zhou: "Dynamic Causes of Ural Blocking Biases and Their Implications for East Asian Winter Circulation in CMIP5 GCMs", 26 IUGG General Assembly, Prague, Czech Republic, 22 Jun–2 Jul 2015.

Cheung H. N., and W. Zhou: "Observed and Simulated Linkage between Ural Blocking and East Asian Winter Climate", AGU Champion Conference, Hong Kong, China, 14–18 Jun 2015.

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Cheung H. N., and W. Zhou: "The Implication of Ural Blocking on the East Asian Winter Climate as Inferred from CMIP5 Models", AOGS–AGU (WPGM) Joint Assembly, Sapporo, Japan, 28 Jul–1 Aug 2014.

Cheung H. N., and W. Zhou: "Present and Future Climate Conditions of Ural Blocking and Its Implications on the East Asian Winter Climate", Fifth Conference on East Asia and Western Pacific Conference on Meteorology and Climate, Hong Kong SAR, China, 2–4 Nov 2013.

Zhou W., and H. N. Cheung*: "Future Projection of the Impacts of Ural Blocking on the East Asian Winter Climate in the Historical Scenario of CMIP5 Models", Asian Monsoon Years Open Science Conference, Zhuhai, China, 26–27 Oct 2013. *(*presenting author)*

Cheung H. N., and W. Zhou: "Changing Characteristics of Ural Blocking and Their Implications on the East Asian Winter Climate as Inferred from CMIP5 Models", The Fifth WMO International Workshop on Monsoons, Macao SAR, China, 28 Oct–1 Nov 2013.

Cheung H. N., and W. Zhou: "The Implication of Atmospheric Blocking Patterns over Ural–Siberia on the East Asian Winter Climate", The Sixth International Conference on Atmosphere, Ocean and Climate Change, Hong Kong, China, 19–21 Aug 2013.

Zhou W., and H. N. Cheung*: "Spatiotemporal Characteristics of Wintertime Atmospheric Blocking over Ural-Siberia", AOGS-AGU (WPGM) Joint Assembly, Brisbane, Australia, 24–28 Jun 2013. *(*presenting author)*

Cheung H. N., and W. Zhou: "Observational Climatology and Characteristics of Wintertime Atmospheric Blocking over Ural-Siberia", European Geosciences Union General Assembly, Vienna, Austria, 7–12 Apr 2013.

Cheung H. N., and W. Zhou: "Relationship between Ural-Siberian Blocking and the East Asian Winter Monsoon in Relation to the Arctic Oscillation and the El Nino/Southern Oscillation", European Geosciences Union General Assembly, Vienna, Austria, 7–12 Apr 2013.