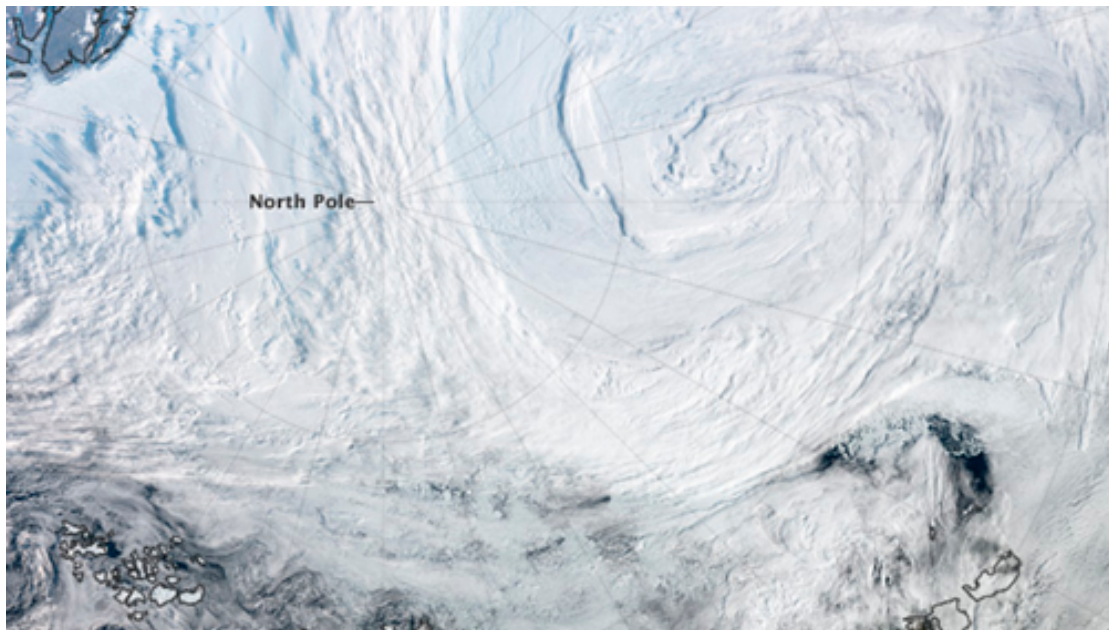


International Workshop
on
Arctic Air-Ice-Sea Interactions and Their
Possible Roles in Extreme Weather and
Climate Occurrence (AAISE)



Sheraton Hotel
Anchorage, Alaska, U.S.A.
July 21-26, 2019

Scientific Organizing Committee (in alphabetic order):

Co-Chairs: Renhe Zhang (Fudan University);
Xiangdong Zhang (University of Alaska Fairbanks)

Members: Qinghua Ding (University of California Santa Barbara)
Yihui Ding (China Meteorological Administration)
Edward Hanna (University of Lincoln, U.K.)
Alexey Karpechko (Finnish Meteorological Institute, Finland)
Jianping Li (Ocean University of China)
Shuanglin Li (Chinese Academy of Sciences)
Mu Mu (Fudan University)
James E. Overland (NOAA/PMEL)
Axel J. Schweiger (Polar Science Center, University of Washington)
Bingyi Wu (Fudan University)
Zhiwei Wu (Fudan University)

Program Committee (in alphabetic order):

Co-Chairs: Zhiwei Wu (Fudan University)
Xiangdong Zhang (University of Alaska Fairbanks)

Members: Huiling Ouyang (Fudan University)
Tohru Saito (University of Alaska Fairbanks)

Objectives:

- To review and synthesize recent advances in studying linkage between the Arctic climate change and Eurasian extreme weather and climate events.
- To identify existing problems and obstacles in detecting and understanding the linkage between Arctic climate change and Eurasian extreme weather and climate.
- To provide suggestions/recommendations for coordinating future research activities, including observational data and forthcoming CMIP6 output analysis and modeling experiments.

July 21	Registration (14:00 – 18:00)
July 22	Presentations and discussions
July 23	Presentations and discussions
July 24	6:30AM - Field trip – 8:30PM
July 25	Presentations and discussions
July 26	8:30AM -Field trip – 6:00PM

Venue:

Sheraton Anchorage Hotel

401 E 6th Ave

Anchorage, Alaska 99501, U.S.A.

08:40 - 17:00 Monday July 22

Morning Session Chair: Mu Mu		
08:40 - 08:50	Welcome & agenda introduction	Xiangdong Zhang Renhe Zhang
08:50 - 09:20	Introduction of AAISE project (Invited)	Renhe Zhang
09:20 - 10:00	Toward Understanding the Arctic/Midlatitude Weather Linkage Controversy (Invited)	James Overland
10:00 - 10:20	Tea Break	
10:20 - 11:00	Reduce Uncertainties in Estimating Arctic Amplification and Identify Robust Dynamic Process in Arctic-Lower Latitude Linkage (Invited)	Xiangdong Zhang
11:00 - 11:30	Effects of the Arctic ocean-ice-air system on the predictability of Eurasian winter extreme weathers	Mu Mu
11:30 - 12:00	Evaluation on the Hindcast Skill of the Winter Arctic Oscillation One year ahead	Qingquan Li
Lunch		
Afternoon Session Chair: Xiangdong Zhang		
13:30 - 14:10	The role of Greenland in Arctic-mid latitude climate linkages (Invited)	Edward Hanna
14:10 - 14:40	Influences of the East Asian Summer Rainfall on Circumglobal Teleconnection	Renhe Zhang
14:40 - 15:10	Running head: NH mid-high latitudes and East Asian climate Pathways of Influence of the Northern Hemisphere Mid-high Latitudes on East Asian Climate: A Review	Jianping Li
15:10 - 15:30	Tea Break	
15:30 - 16:00	The unstable connection of Indian Summer Monsoon (ISM) with the Atlantic Multidecadal variability (AMV)	Shuanglin Li
16:00 - 16:30	Midlatitude meridional background PV gradient as a key controlling factor of Arctic-midlatitude link	Dehai Luo
16:30 - 17:00	Discussion	Dehai Luo

08:40 - 17:00 Tuesday July 23**Morning Session Chair: Renhe Zhang**

08:40 - 09:20	PIOMAS-20C: Variability of Arctic sea ice thickness and volume over the 20th Century (Invited)	Axel J. Schweiger
09:20 - 10:00	Stratospheric role in linkages between Arctic and Eurasian climate (Invited)	Alexey Karpechko
10:00 - 10:20	Tea Break	
10:20 - 10:50	Summer Arctic cold anomaly dynamically linked to East Asian heatwaves	Bingyi Wu
10:50 - 11:20	Weak El Niño and Winter Climate in the mid-high latitude Eurasia	Zhiwei Wu
11:20 - 11:50	Subseasonal Dynamical Prediction of East Asian Cold Surges	QiaoPing Li

Lunch**Afternoon Session Chair: Jianping Li**

13:30 - 14:00	Analysis of isentropic potential vorticities for the relationship between stratospheric anomalies and the cooling process in China	Chunhui Lu
14:00 - 14:30	Objective identification and analysis of regional extreme cold events in Eurasia	Yingxian Zhang
14:30 - 15:00	Large-scale factors affecting the occurrence of the persistent and extensive ice-freezing events in China	Zunya Wang
15:00 - 15:20	Tea Break	
15:20 - 15:50	Dynamic diagnosis of the Atlantic Severe Cyclonic Storm Activity influencing an Explosive Arctic Warming and Unprecedented Cold Wave over East Asia in January 2016	Dong Si
15:50 - 17:00	Panel Discussion	Invited speakers

Dinner

08:40 - 17:00 Thursday July 25

Morning Session (mechanisms) Chair: Bingyi Wu		
08:40 - 09:10	Two Mechanisms Driving Winter Sea Ice Decline over the Barents-Kara Seas	Zhina Jiang
09:10 - 09:40	Simulated coordinated impacts of the previous autumn NAO and winter El Niño on the winter aerosol concentrations over eastern China	Juan Feng
09:40 - 10:10	The influence of uncertainty of Arctic ice-sea on the predictability of extreme cold over eastern Asia	Zhe Han
10:10 - 10:30	Tea Break	
10:30 - 11:00	Influence of Antarctic Sea-Ice Oscillation on China Summer Rainfall: the Roles of Tropical Sea Surface Temperature	Na Liu
11:00 - 11:30	Arctic influence on the predictability of the cold surge occurred in China during January 2016	Guokun Dai
Lunch		
Afternoon Session (phenomenon) Chair: Zhiwei Wu		
13:30 - 14:00	A persistent cold event in China during January-February 2018 and its comparison with the 0801 event	Mingyue Qin
14:00 - 14:30	Effect of Barent-Kara Sea Ice Reduction on Winter Snowfall in Western Siberia	Yanxin Zheng
14:30 - 15:00	The global warming hiatus has faded away: an analysis of 2014-2016 global surface air temperatures	Chao Zhang
15:00 - 15:20	Break	
15:20 - 16:30	Discussion	Shuanglin Li
16:30 - 17:00	Future Plan	Renhe Zhang Invited speakers