



SHANGHAI • CHINA

2019

FORUM: MAY 10 - 11

ARCTIC CIRCLE

ARCTIC CIRCLE CHINA FORUM

CHINA AND THE ARCTIC

Polar Silk Road - Science and Innovation
Transport and Investment - Sustainable Development
Oceans - Energy - Governance

**Hosted by the Ministry of Natural Resources
of the People's Republic of China**
Sponsored by the China Oceanic Development Foundation
Supported by the Science and Technology Commission of Shanghai Municipality

**Organized in cooperation with the Polar Research Institute of China,
the Shanghai Institutes for International Studies and
the Chinese Society for Oceanography**

LOCATION: Shanghai Science and Technology Museum



EXHIBITIONS

CHINESE ARCTIC SCIENCE EXPEDITIONS

Organized by the Polar Research Institute of China

EVENKI CULTURAL EXHIBITION

Organized by Aoluguya Township Government, Inner Mongolia and the International Centre for Reindeer Husbandry

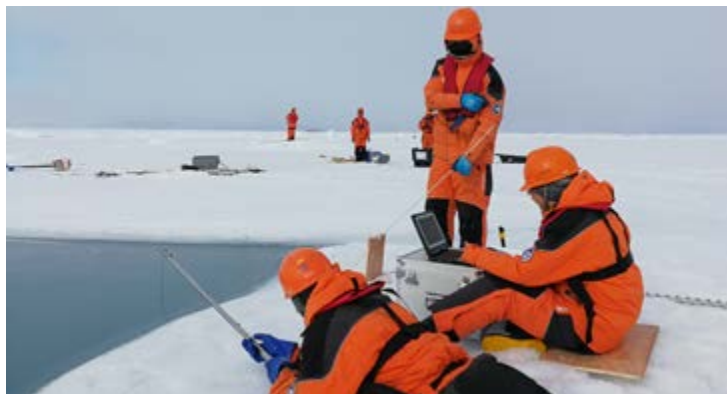
SCIENCE MEETS ART: ARCTIC LANDSCAPE PHOTOGRAPHY

Organized by the Polar Research Institute of China

CHINA-ICELAND ARCTIC OBSERVATORY (CIAO)

The observatory, the science and the outreach

Organized by the Polar Research Institute of China and CIAO



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FRIDAY, MAY 10

REGISTRATION 08:00 – 09:00

PLENARY SESSIONS 09:00-12:30

Location: Round Hall, Shanghai Science and Technology Museum

09:00 – 10:15 OPENING SESSION

OPENING REMARKS

- H.E. Ólafur Ragnar Grímsson, Chairman Arctic Circle, President of Iceland 1996-2016
- H.E. Wang Hong, Administrator, State Oceanic Administration, Ministry of Natural Resources, People's Republic of China
- H.E. Chen Yin, Executive Vice Mayor of Shanghai

SPEECHES

- H.E. Sturla Sigurjónsson, Permanent Secretary of State, Ministry for Foreign Affairs of Iceland; the new Chair Country of the Arctic Council
- H.E. Zhang Xinsheng, President, International Union for Conservation of Nature (IUCN); Executive Chairman and Co-Founder, Eco Forum Global; former Vice-Minister of Education, People's Republic of China
- The Honourable Andrew Leslie, Member of Parliament, House of Commons of Canada
- Jennifer Morris, President, Conservation International

CHAIRS

- Qin Weijia, Director General, Chinese Arctic and Antarctic Administration, State Oceanic Administration, Ministry of Natural Resources of the People's Republic of China
- Dagfinnur Sveinbjörnsson, CEO, Arctic Circle

BREAK 10:15 – 10:30



PLENARY SESSIONS

Location: Round Hall, Shanghai Science and Technology Museum

10:30 – 11:30 PAVING THE POLAR SILK ROAD

KEYNOTE: POLAR Silk Road - THE GREAT INTERCONNECTION BETWEEN CHINA AND THE ARCTIC

- Gao Feng, Special Representative for Arctic Affairs, Ministry of Foreign Affairs, People's Republic of China

SPEECHES

- Chen Feng, General Director of Marketing & Sales Centre, COSCO Shipping Specialized Carrier Co. Ltd
- Wang Haiyan, General Director, PetroChina International, Russia: Yamal Energy Exploitation Cooperation with Russia
- Henry Tillman, Chairman and Chief Executive Officer, Grisons Peak Investment Bank, United Kingdom

CHAIR

- Yang Jian, Vice President and Senior Fellow, Shanghai Institutes for International Studies

11:30 – 12:30 TRANS-REGIONAL COOPERATION FOR A SUSTAINABLE ARCTIC

SPEECHES

- Bjørn Midthun, Director, Head of Polar Affairs Section, Ministry of Foreign Affairs of Norway
- Björn Lyrvall, Ambassador for Arctic Affairs, Ministry for Foreign Affairs of Sweden
- Piotr Rakowski, Senior Advisor for Arctic affairs, Legal and Treaty Department, Ministry of Foreign Affairs of Poland
- Heung keong Park, Ambassador for Arctic Affairs, Ministry of Foreign Affairs, Republic of Korea
- Nicolas Chapuis, European Union Ambassador to China

CHAIR

- Gunnar Snorri Gunnarsson, Ambassador of Iceland to China

NETWORKING LUNCH 12:30-14:00



BREAKOUT SESSIONS 14:00-15:30

14:00 – 15:30 ARCTIC POLICY FROM A GLOBAL PERSPECTIVE

Organized by Ministry of Foreign Affairs of the People's Republic of China; L'Institut libre d'étude des relations internationales (ILERI) School of International Relations, France

Location: Room 1

SPEAKERS

- Bjørn Midthun, Director, Head of Polar Affairs Section, Ministry of Foreign Affairs of Norway*
- Li Zhenfu, Dean, School of Professional Degree Education; Professor, School of Shipping Economics and Management; Director, Polar Maritime Research Center, Dalian Maritime University, China
- Sun Kai, Associate Dean, Professor & Taishan Scholar Young Expert, School of International Affairs and Public Administration, Ocean University of China
- Mikaa Mered, Professor of Arctic & Antarctic Geopolitics, Head of the CIOME MPI degree program, L'École Des Relations Internationales (ILERI), France
- Moderator: Gao Feng, Special Representative for Arctic Affairs, Ministry of Foreign Affairs, People's Republic of China

14:00 – 15:30 ARCTIC GOVERNANCE AND OCEAN COOPERATION

Organized by China Institute for Marine Affairs (CIMA) and the Ocean Policy Research Institute of the Sasakawa Peace Foundation, Japan

Location: Room 3

SPEAKERS

- Chenxi Mi, Associate Researcher, China Institute for Marine Affairs:
The Application of UNCLoS in the Arctic and China's Arctic Policy and Practice
- John Higginbotham, Senior Fellow, Carleton University and Center for International Governance Innovation (CIGI), Canada:
Canadian Arctic Policies in Flux: the Search for Consensus in a Large, Federal Coastal State at a Time of Rapid Change
- Barry Scott Zellen, Class of 1965 Arctic Scholar, Center for Arctic Study and Policy (CASP), United States Coast Guard Academy:
The Globalization of Co-Management: Leveraging Post-Land Settlement Joint Management Structures for Direct Bilateral Engagement Between Asian Observer States and Indigenous Permanent Participants of the Arctic Council
- Dan Liu, Associate Research Professor, Center for Polar and Deep Ocean Development, KoGuan Law School, Shanghai Jiao Tong University, China:
From Soft Nature to Binding Character: Agreement on Future High Seas Fisheries in the Central Arctic Revisited
- Tetsuo Sueyoshi, Project Associate Professor, National Institute of Polar Research, Japan:
The future of Japan-China Cooperation in Arctic Science
- Cai Meijiang, Senior Engineer, Director, China Shipping & Sinopec Suppliers CO., LTD:
The Implementation of the Polar Code and Experience on Arctic Navigation
- Lassi Heininen, Research Director, University of Helsinki, Finland:
'Another' in Arctic Geopolitics – from Russia to China
- Huang Yan, Assistant Research Professor, Social Sciences Institute, East China University of Political Science and Law:
International Code for Ships Operating in Polar Waters: Challenges to Polar Shipping Safety Rules in China

MODERATORS

- Zhang Haiwen, Director of China Institute for Marine Affairs
- Atsushi Sunami, President, Ocean Policy Research Institute of the Sasakawa Peace Foundation (OPRI-SPF); Executive Director, Sasakawa Peace Foundation, Japan



14:00 – 15:30 ARCTIC SUSTAINABLE OBSERVING SYSTEM: THE ROLE OF ASIA

Organized by Sustaining Arctic Observation Networks (SAON), The Icelandic Centre for Research (RANNIS); Polar Research Institute of China (PRIC)

Location: Room 2

SPEAKERS

- Thorsteinn Gunnarsson, Senior Adviser, Icelandic Centre for Research; Chair of SAON:
From Knowledge to Action: Building Pan-Arctic Observing Network
 - Katarina Gårdfelt, Director-General, Swedish Polar Research Secretariat:
Towards a Sustained Observing System of the Arctic Ocean
 - Qiu Yubao, Chinese Academy of Sciences, Institute of Remote Sensing and Digital Earth:
Big Earth Data Perspective on the Polar Cold Regions with Regard to Satellite Application
 - Dalee Sambo Dorrough, Chair, Inuit Circumpolar Council:
Inuit Perspectives on Arctic Observing and Monitoring
 - Yuji Kodama, National Institute of Polar Research, Japan:
Arctic Observing in Japanese Arctic Research
 - Lizong Wu, Polar Research Institute of China:
Data Management of Polar Research in China
- Moderator: Zhang Beichen, Polar Research Institute of China

14:00 – 15:30 POLAR EDUCATION COOPERATION

Organized by Tongji University, China; University of the Arctic (UArctic) and Harbin Institute of Technology, China

Location: Room 5

SPEAKERS

- Cheng Xiao, Professor, Beijing Normal University, China:
Polar Interdisciplinary and Internationalization Paths in Chinese Universities
- Outi Snellman, Vice-President, University of Lapland, Finland, UArctic:
The University of the Arctic Network: Opportunities for Members
- Li Yifan, Professor, Director of UArctic-HIT Training Centre, Harbin Institute of Technology, China:
UArctic-HIT Training Centre and Arctic Education in China
- Eyjólfur Guðmundsson, Northern Research Forum, Iceland:
UArctic and the Icelandic Chairmanship of the Arctic Council – How can Members Participate?

MODERATORS

- Outi Snellman, Vice-President, University of Lapland, Finland, UArctic
- Lu Zhibo, Professor, Tongji University, China

BREAK 15:30 – 16:00

BREAKOUT SESSIONS 16:00-17:30

16:00 – 17:30 POLAR SILK ROAD: ARCTIC GLOBALIZATION

Organized by Shanghai Institutes for International Studies; Royal Holloway University of London, National University of Singapore

Location: Room 1

SPEAKERS

- Mia Bennett, Assistant Professor, Department of Geography, The University of Hong Kong
- Klaus Dodds, Professor, Department of Geography, Royal Holloway University of London

- Henry Tillman, Chairman and Chief Executive Officer, Grisons Peak Services Ltd, UK; Founder of Editor, China Outbound Investments
- Nengye Liu, Senior Lecturer, Adelaide Law School, The University of Adelaide, Australia
- Valur Ingimundarson, Professor of Contemporary History, University of Iceland
- Ping Su, Assistant Professor, Centre for Polar and Oceanic Studies, Tongji University, China; Chinese Representative for Social and Human Working Group in International Arctic Science
- Commentator: Egill Thor Nielsson, Executive Secretary, China-Nordic Arctic Research Centre

MODERATORS

- Woon Chih Yuan, Associate Professor, Department of Geography, National University of Singapore
- Yang Jian, Vice President and Senior Fellow, Shanghai Institutes for International Studies

16:00 – 17:30 ARCTIC SCIENCE OUTREACH AND CULTURAL COMMUNICATION

Organized by Arctic Portal; Polar Research Institute of China (PRIC)

Location: Room 5

SPEAKERS

- Anders Oskal, Secretary General, Association of World Reindeer Herders (WRH); Executive Director, International Centre for Reindeer Husbandry (ICR)
- Ziyu Ma, Editor and Data Analyst, Hong Kong
- Song Xian, Vice Director, Research Center on Science Communication and Development, Shanghai Science & Technology Museum, China:
How to Make a Popular Polar Science Exhibition
- Halldor Johannsson, Executive Director of the Arctic Portal:
Arctic Science Dissemination and Global Public Knowledge
- Chen Haibo, Vice Director of Committee on Education and Culture, Chinese People's Political Consultative Conference (CPPCC) Shanghai Committee; Assessment expert of China National Arts Fund:
Art & Arctic
- Wang Xuyuan, Artist

MODERATORS

- Halldor Johannsson, Executive Director, Arctic Portal
- Xin Ge, Associate Researcher, Shanghai Science and Technology Museum

16:00 – 17:30 ARCTIC-EAST ASIA CLIMATE CONNECTIONS

Organized by Fudan University, China, and the University of Lapland Arctic Centre, Finland

Location: Room 2

SPEAKERS

- Bingyi Wu, Professor, Department of Atmospheric and Oceanic Sciences; Fudan University, China:
Summer Arctic Cold Anomaly Dynamically Linked to East Asian Geatwaves
- Yongqi Gao, Research Leader / Professor, Nansen Environmental and Remote Sensing Center; Nansen-Zhu International Research Center; Institute of Atmospheric Physics, Chinese Academy of Sciences:
Arctic Warming and Its Impacts: Uncertainties, Implications and Prospectives
- Zhe Han, Associate Professor, Institute of Atmospheric Physics, Chinese Academy of Sciences:
Precursor Roles of Winter Sea Ice in Post-Spring Precipitation Over Southeast North America and Western Europe
- John Moore, Professor, Arctic Centre, University of Lapland, Finland; Beijing Normal University, China



16:00 – 17:30 NEW SOLUTIONS – NEW VISIONS

Location: Room 4

I. ECOLOGICAL PROGRESS AND THE FUTURE OF THE ARCTIC

Organized by Eco Foundation Global, China

SPEAKERS

- H.E. Ólafur Ragnar Grímsson, Chairman Arctic Circle
- H.E. Zhang Xinsheng, President, International Union for Conservation of Nature (IUCN); Executive Chairman and Co-Founder, Eco Forum Global; former Vice-Minister of Education, People's Republic of China

II. NATURE-BASED SOLUTIONS

Organized by Conservation International

SPEAKER

- Jennifer Morris, President, Conservation International

III. LOW-CARBON COLLABORATIONS

Organized by the Scottish Government

SPEAKERS

- Martin McDermott, Scottish Affairs Office, British Embassy Beijing
- Ed Craig, Executive Director, Edinburgh Center for Carbon Innovation (ECCI), United Kingdom
- Representative of the UK/China Low Carbon College*

IV. SUSTAINABLE DEVELOPMENT: GREEN ENERGY

Organized by Arctic Green Energy

SPEAKERS

- Hisaka Kimura, East Asia Head, Private Sector Operations Department, Asian Development Bank
- Zhao Zhaoping, Executive Director, General Manager, Sinopec Star Petroleum Co., Ltx., China

CHAIR

- Alex Zhang, Executive Director, Eco Forum Global; Secretary-General, Eco Foundation Global, China

16:00 – 17:30 INDIGENOUS COMMUNITIES AND LIVELIHOODS IN A CHANGING ARCTIC

Organized by Arctic Studies Center at Liaocheng University, China; International Centre for Reindeer Husbandry; A.L. Parlow & Associates, LLC, Washington, DC

Location: Room 3

SPEAKERS

- Michael Knuppel, Professor, Arctic Studies Center, Liaocheng University, China
- Paul Montgomery, Assistant Professor, Arctic Studies Center at Liaocheng University, China:
By Scales and Whales: Investigations of the Archaeology and Substance Strategies of Coastal Communities of Tartary Straits
- Feng Qu, Professor, Arctic Studies Center at Liaocheng University, China:
Studies of Chinese Near Arctic Peoples
- Hang Lin, Professor, Hangzhou Normal University, China:
Ecological Migrants Reclaiming the Forest: The Dilemma of Life and Culture of the Ewenki Reindeer Herders in Aoluguya
- Anita L. Parlow, Esq. A.L. PARLOW & Associates, LLC, USA:
Reindeer Protection in China's Belt and Road in the Indigenous Arctic
- Naheya, Inner Mongolia University, China:
The Current Situation of Tuvan Language Use in Russia: Based on the Fieldwork in Kyzyl
- Zhang Wanjun:
The Way of Cultural Inheritance and Development of Chinese Reindeer Ewenki



MAY 10 RECEPTION 18:00-19:30

Location: Shanghai Science and Technology Museum



SATURDAY, MAY 11

PLENARY SESSIONS 08:30-13:00

Location: Round Hall, Shanghai Science and Technology Museum

08:30 – 10:30 ARCTIC SCIENCE AND INNOVATION

KEYNOTES

- H.E. Lilja Dögg Alfreðsdóttir, Minister of Education, Science and Culture, Iceland
- Gao Ping, Director-General, Department of Science and Technology, Ministry of Natural Resources of the People's Republic of China

SPEECH

- Ji Xiaoye, Inspector, Science and Technology Commission of Shanghai Municipality: *Innovation, Cooperation, Win-Win—building global and regional science and technology innovation networks by developing Shanghai Science and Technology Innovation Center*

VIDEO

- Xue Long 2: China's new icebreaking research vessel

CHAIR

- Yang Huigen, Director-General, Polar Research Institute of China

SPEECHES

- Huang Jing, Director-General, The Administrative Center for China's Agenda 21
- Atsushi Sunami, President, Ocean Policy Research Institute; Executive Director, Sasakawa Peace Foundation, Japan
- Katarina Gårdfelt, Director-General, Swedish Polar Research Secretariat
- Wang Zhaoming, Professor, Nanjing Information University, China: *Rapid Arctic Changes and Tele-impacts on Mid-Latitude China*
- Reko-Antti Suojanen, CEO, Aker Arctic, Finland: *What Technology is Needed to Open Trade in Arctic Sea Routes*
- Markus Rex, Head of Atmospheric Physics, Alfred Wegener Institute, Germany: *The International Arctic Expedition MOSAiC*

CHAIR

- Nalan Koc, Deputy Director, Norwegian Polar Institute

BREAK 10:30 – 10:45

PLENARY SESSIONS

10:45 – 11:45 GREEN ENERGY: BREATHING CITIES – ARCTIC FUTURE

OPENING

- H.E. Ólafur Ragnar Grímsson, Chairman Arctic Circle

SPEAKERS

- H.E. Lu Yongzheng, Vice Governor of Guizhou Province, China*
- Haukur Harðarson, Chairman and Founder, Arctic Green Energy Corporation
- Cao Yaofeng, Chairman of the Standing Committee of the China National Geothermal Center; Member of the China Academy of Engineering; former Vice President, Sinopec Group, China
- Guðni A. Johannesson, Director General of National Energy Authority of Iceland

- William McDonough, Author of Cradle to Cradle; Circular Economy Pioneer, USA

CHAIRS

- H.E. Ólafur Ragnar Grímsson, Chairman Arctic Circle
- Zhao Xin, Senior Vice President, Arctic Green Energy

SIGNING CEREMONY

United Nations University – Geothermal Training Program (UNU – GTP) China Branch Establishment Memorandum

PARTIES

- National Energy Authority of Iceland
- National Geothermal R&D Center of China
- Arctic Green Energy Corporation

11:45 – 13:00 A VISION FOR THE ARCTIC

I. KEYNOTE

- Senator Lisa Murkowski, United States Senate

QUESTIONS AND ANSWERS

CHAIR

- H.E. Ólafur Ragnar Grímsson, Chairman Arctic Circle

II. ENERGY, TRANSPORT AND INVESTMENT

SPEAKERS

- Scott Miner, Global Chief Investment Officer, Guggenheim Partners, USA
- Kjell Stokvik, Managing Director, Center for High North Logistics (CHNL), Nord University Business School, Norway
- Hafsteinn Helgason, Director Business Development, EFLA Consulting Engineers, Iceland

CHAIR

- Dagfinnur Sveinbjörnsson, CEO, Arctic Circle

NETWORKING LUNCH 13:00-14:00

NETWORKING LUNCH
BY INVITATION OF
GUGGENHEIM



BREAKOUT SESSIONS 14:00-15:30

14:00 – 15:30 POLAR SILK ROAD: SHIPPING STATUS AND FUTURE PROSPECTS

Organized by Centre for High North Logistics (CHNL) at Nord University Business School, Norway and Polar Research Institute of China (PRIC)

Location: Room 1

SPEAKERS

- Chen Feng, General Director of Marketing & Sales of COSCO Shipping Specialized Carriers
- Bjørn Gunnarsson, Senior Researcher, Centre for High North Logistics, Nord University Business School, Norway: *Three Modes of Maritime Transportation on Northern Sea Route*
- Sergey Balmasov, Head of CHNL's Information Office in Murmansk, Russia, Centre for High North Logistics: *Ship Traffic Analysis on the Northern Sea Route*
- Dou Bo, Chief Commissioner, China Ocean Association Northern Sea Committee, China Ocean University: *Interactions Between Arctic Shipping and Inland Water Transportation --- Implications for the Polar Silk Road Initiative*
- Natsuhiko Otsuka, Professor, Arctic Research Center, Hokkaido University, Japan: *Future Cargo Base for Shipping via the Northern Sea Route*
- Hong Sungwon, Professor, Institute of Arctic Logistics, Youngsan University, Korea: *South Korea's Role in Future Arctic Shipping*
- Deng Beixi, Division of Polar Strategic Studies, Polar Research Institute of China: *Northwest Passage & Transpolar Sea-route as 'Unconventional' Arctic Shipping Lanes: Prospects & China's Practices*

CHAIR

- Kjell Stokvik, Managing Director, CHNL / Nord University Business School, Norway

14:00 – 15:30 ARCTIC GEOPOLITICS

Organized by Norwegian Institute of International Affairs (NUPI); High North Centre for Business and Governance, Nord University, Norway Ocean University of China

Location: Room 3

I. CHINA AND THE ARCTIC

SPEAKERS

- Kai Sun, Ocean University of China: *How China's Arctic Activities were Misread and What Shall We Do?*
- Oleg Pakhomov, Arctic Studies Center, Liaocheng University, China: *Non-Western Approaches Towards Development and Governance of the Arctic Region: Reflections on Chinese and Russian Intellectual Traditions*
- Arild Moe, Research Professor, Fridtjof Nansen Institute, Norway: *Chinese Research from a Base in Norway – the Case of the Yellow River Station in Ny-Ålesund*

CHAIR

- Henry Huntington, Arctic Science Director, Ocean Conservancy, USA

II. NATIONAL NETWORKS AND INTERNATIONAL ENGAGEMENT

SPEAKERS

- Robert Ortung, Professor, George Washington University, USA: *Continuity and Change in American Arctic policy*
- Aleksander Sergunin, Professor, St. Petersburg State University, Russia: *Moscow Policy Networks and the International Stage*
- Elana Wilson Rowe, Professor, NUPI, Norway: *Security and Diplomacy Networks in Arctic Conversation*

CHAIR

- Tang Jianye, Shanghai Ocean University

III. DYNAMICS OF INTERACTION

SPEAKERS

- Helge Blakkisrud, NUPI, Norway: *Russia and the Regional Arctic*
- Yun Sun Director of East Asia Programme, Stimson Center, Washington, DC, USA: *Chinese-Russian Networks of Arctic Interest*
- Guo Peiqing, Professor, Ocean University of China: *Do We Have Any Other Choice But Cooperation? A Philosophical Analysis*

14:00 – 15:30 ARCTIC SEA ICE CHANGES

Organized by Nansen Environmental and Remote Sensing Center (NERSC), Norway; Polar Research Institute of China (PRIC)

Location: Room 2

SPEAKERS

- Stein Sandven, Senior Researcher, Polar Acoustics and Oceanography, NERSC, Norway: *Integrated Arctic Observation System – H2020 INTAROS Project*
- Ruibo Lei, Researcher Polar Research Institute of China (PRIC): *Chinese Contributions to the MOSAIC*
- Sebastian Mernild, NERSC: *The Nansen-Zhu Center – 15 Years of Climate Research Collaboration between Norway and China*
- Yongqi Gao, Research Leader, Climate Dynamics and Prediction, NERSC and Nansen-Zhu International Research Centre (NZC), China: *Collaboration on Arctic Climate Research Between Norway and China*
- Yubao Qiu, Associate Professor, Institute of Remote Sensing and Digital Earth (RADI), China: *Satellite Remote Sensing Collaboration, the MARIS Project*
- LI Xiaoming, RADI Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences: *Spaceborne SAR-derived Sea Ice Extent in Arctic*

14:00 – 15:30 SHIPBUILDING TECHNOLOGY

Organized by Jiangnan Shipyard, China and Lloyd's Register of Shipping, United Kingdom

Location: Room 4

SPEAKERS

- Hu Keyi, Technical Director of Jiangnan Shipyard, China
- Xu Ping, Vice General Manager and Chief Director of CCS Shanghai, China: *The New Development of CCS Polar Regulations*
- Rob Tustin, North Asia New Construction Manager of Lloyd's Register, United Kingdom: *A Perspective for Chinese Shipbuilding Enterprises on Future Possibilities for Polar Shipbuilding Projects*
- Zhang Dongjiang, Engineer, MARIC: *General Design of Xuelong 2*
- Jiang Yepeng, Chief Director of DETIA MARINE: *An Introduction of Ice-class Ship Design*
- Fan Tao, Engineer of Jiangnan Shipyard, China: *The Construction Technology of Polar Research Ship XUELONG 2*
- Wei Qingsong, Deputy Technologist of Guangzhou Shipbuilding International, China: *Study on Key Technology of Polar Ship Materials*



14:00 – 15:30 CHINA AND ARCTIC CULTURAL TOURISM

Organized by Beijing Tripolers Travel Agency Co.,LTD, China; Association of Arctic Expedition Cruise Operators (AECO), Norway

Location: Room 5

SPEAKERS

- Susan Barr, Former President of the International Arctic Science Committee (IASC)
- Zhang Jingran, Tripolers Travel Agency:
Chinese Polar Tourism Facts
- Wang Haining, Poseidon Expeditions:
Experiences of Cruise Ship in Arctic Circle and North Pole

CHAIR

- Qu Xiangdong, Founder of Tripolers, China

BREAK 15:30 – 16:00

BREAKOUT SESSIONS 16:00-17:30

16:00 – 17:30 POLAR SILK ROAD: CHALLENGES AND SOLUTIONS

Organized by Dalian University of Technology, China; Aalto University School of Engineering, Finland

Location: Room 1

SPEAKERS

- Pentti Kujala, Professor, Vice Dean, Head of the Marine Technology Research Group, Aalto University School of Engineering, Finland:
 - *Accident Statistics of Ships Along the Polar Silk Road*
 - *How to Select a Proper Ice Class for Ships Navigating Along the Polar Silk Road*
- Shen Quan, Senior Captain of R/V Xuelong, Secretary-General of Polar Operation and Equipment Committee of CIN:
Navigation Technology and Method of the Northwest Passage Expedition to the Arctic
- Zhijun Li, Professor, Dalian University of Technology, China:
Analysis of the Ice Material Properties
- Arild Moe, Senior Research Fellow, Fridtjof Nansen Institute, Norway:
Developments in Russian Legislation and Administration of NSR
- Chen Weijiong, Professor, Merchant Marine College, Shanghai Maritime University, China:
*Risk Evaluation of Arctic Shipping**

16:00 – 17:30 ARCTIC OCEAN ENVIRONMENT AND ECOSYSTEM

Organized by Polar Research Institute of China (PRIC); Norwegian Polar Institute

Location: Room 2

SPEAKERS

- Nalan Koc, Director of Research Department, Norwegian Polar Institute:
Emerging Physical Properties of the New Arctic Sea Ice Regime and their Consequences for the Arctic Marine Ecosystem
- Chen Jianfang, SIO / Ministry of Natural Resources, China:
Inter-Annual Variation of Environment and Ecosystem in the Western Arctic Ocean
- Jin Meibin, University of Alaska, Fairbanks, USA:
Simulation of Arctic Ecosystem Under Sea Ice Retreat
- Zhan Liyang, TIO/MNR:
Study on Polar Oceanic N2O
- He Jianfeng, Polar Research Institute of China: "R/V Xuelong 2:
A New International Cooperation Platform for Arctic Ocean Observation

16:00 – 17:30 ARCTIC OCEANS

Location: Room 4

I. MARINE RESOURCES AND ECONOMIC DEVELOPMENT IN ARCTIC COMMUNITIES

Organized by Royal Greenland

SPEAKER

- Jens K. Lyberth, Director for Corporate Relations, Royal Greenland

II. MARINE ECOSYSTEM AND LIVING RESOURCES CONSERVATION IN THE ARCTIC

Organized by Shanghai Ocean University, University of Akureyri, Iceland and Marine and Freshwater Research Institute, Iceland

SPEAKERS

- Guoping Zhu, Professor, Shanghai Ocean University, China:
Biological Connectivity of Marine Fish Species between Alaska Arctic to North Pacific Ocean: A Story of Walleye Pollock
- Steingrímur Jónsson, Professor, University of Akureyri, Iceland:
Quantifying Global Warming and Natural Variability Signals in the Ocean Around Iceland for Sustainable Decision Making
- Yu Zhang, Assistant Professor, Shanghai Ocean University, China:
Study of Arctic Ocean Freshwater Accumulation and Pathways
- Xiaoling Chu, Associate Professor, Shanghai Ocean University:
Challenges of the Conservation and Management of the Fishery Resources in Central Arctic Ocean
- Ma Yuxin, Assistant Professor, Shanghai Ocean University:
Air-sea Gas Exchange and Deep-Sea Fate of Legacy POPs in the Arctic Ocean
- Chang Liang, Associate Professor, Shanghai Ocean University:
Estimation and Assessment of the Temperature Inversion Characteristics in the Arctic Atmospheric Boundary Layer

16:00 – 17:30 CHINA AND RESPONSIBLE TOURISM IN THE ARCTIC

Organized by Shanghai CTS Co., Ltd; World Wide Fund for Nature (WWF) – China

Location: Room 5

SPEAKERS

- Zhang Yimo, Convener, Asian Flyway Initiative, WWF China:
What the Arctic Needs: Biodiversity/Migratory Birds
- Gao Jie, General Manager, OCA Unit, Shanghai China Travel Service (Group) Co., Ltd (Shanghai CTS):
Travel Agency, the Nucleus of the Responsible Traveling
- Huang Qingyuan, Founder, Yuanlu Ecological Garden, China
- Zhang Jin, Head, Commercial and Marketing, North Asia, Compagnie du Ponant, France
- Anders Oskal, Secretary General, Association of World Reindeer Herders; Executive Director, International Centre for Reindeer Husbandry
- Yang Jian, Professor, Vice President, Shanghai Institute for International Studies (SIIS), China:
How China Supports a Sustainable Future for the Arctic and Beyond

MODERATORS

- Zheng Bei, Chairman, Shanghai China Travel Service Group Co., Ltd, China
- Ren Wenwei, Head, WWF Freshwater Practice China



16:00 – 17:30 ENVIRONMENT AND CLIMATE CHANGE AT THE THREE POLES

Organized by Third Pole Environment, Pan-Third Pole Environment Program, Institute of Tibetan Plateau Research, Chinese Academy of Sciences

Location: Room 3

SPEAKERS

- Jan Dusik, Principal Adviser, Strategic Engagement for the Arctic and Antarctic, United Nations Environment Programme:
Global Connections and Significance of Environmental and Climate Change in the Arctic
- Daqing Yang, Research Scientist, Environment Canada:
Links Between the Poles: Hydrology, Datasets and Beyond
- Yongwei Sheng, University of California – Los Angeles, United States:
Lake Distribution Comparison Between the Arctic and the Third Pole
- Xiao Cheng, Beijing Normal University, China:
Three Pole Climate and Environment
- Deepak Aryal, Head, Central Department of Hydrology and Meteorology, Tribhuvan University, Nepal
- Alejandro Argumedo, Director of Association ANDES, Peru
- Alim Pulatov, Head of EcoGIS Center, Tashkent Institute of Irrigation and Melioration, Uzbekistan

REFLECTIONS

- H.E. Ólafur Ragnar Grímsson, Chairman Arctic Circle
- Alex Zhang, Executive Director, Eco Forum Global; Secretary-General, Eco Foundation Global, China

MODERATOR

- Dagfinnur Sveinbjörnsson, CEO, Arctic Circle

CLOSING PLENARY SESSION 17:30-18:00

17:30 – 18:00 OPEN DIALOGUE

CHAIRS

- H.E. Ólafur Ragnar Grímsson, Chairman Arctic Circle
- Yang Huigen, Director-General, Polar Research Institute of China

SUNDAY, MAY 12

EXCURSIONS 10:00-15:00

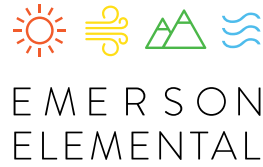


10:00 – 15:00 VISIT TO THE POLAR RESEARCH INSTITUTE OF CHINA (PRIC)



10:00 – 15:00 VISIT TO YANGSHAN DEEPWATER PORT: SHANGHAI INTERNATIONAL SHIPPING CENTER

ARCTIC CIRCLE PARTNERS



2019 ARCTIC CIRCLE ASSEMBLY
OCTOBER 10-13

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