吉林大学
Jilin University

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Application for Membership to UArctic from Jilin University, China

Honorable Board of the UArctic,

I hope this letter finds you well. It is a privilege to write this application for membership to UArctic on behalf of my colleagues and academic community at my university.

Jilin University (JLU) is located in the city of Changchun, Jilin Province, Northeast China. As a national key comprehensive university, it offers a wide range of disciplines, within 52 colleges or schools, covering 12 academic categories. Jilin University boasts outstanding faculties. There are 6,550 faculty members in total, among which there are 2,384 professors. We have established a high-level talent training system for bachelor's, master's, and doctoral degrees. Jilin University engages in extensive exchanges with foreign countries and in close cooperative projects with other universities. Led by its global strategy "Student-centered, Research-oriented and Service-Glocal", JLU has established cooperation and exchange relations with 302 universities, research institutions or international academic organizations in 40 countries and regions.

Jilin University has always attached great importance to the Arctic research and development. Our academic focuses are placed on ice sheets and glaciers, subglacial environment, drilling

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in the polar regions, ice physical properties, glacier dynamics, climate change, etc. Furthermore, JLU has conducts cutting-edge research on the Ice Silk Road and Arctic cooperation in Northeast Asia, Arctic geopolitics and security, economic development, resources and environment, etc.

For example, **Polar Research Centre (PRC), Institute for Polar Science and Engineering** was founded in 2010 with the main aim to study various natural phenomena, occurring in the Polar Regions, focusing on the developing of drilling and logging equipment and studying ice properties. Currently, the centre cooperates with Center for Ice and Climate, of Niels Bohr Institute, University of Copenhagen, Denmark, on deep ice core drilling and ice flow observation of the Northeast Greenland Ice Stream, largest ice stream in Greenland. The center's contribution includes participation in the field work in Greenland, designing of new borehole logging equipment, estimations of bedrock conditions, and examination of physical properties of ice. The centre also cooperates with Geological Survey of Denmark and Greenland (GEUS) on study geothermal flux in Greenland Ice Sheet and subglacial environment. The PRC-GEUS joint international field program to study subglacial lake under the Flade Isblink ice cap, northeastern Greenland, is currently under preparation.

In addition, the **Arctic Research Institute (ARI)** conducts humanities and social science research such as world economy, regional economics, population resources and environmental

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economics, international politics and so on. ARI is an exemplary Arctic research think tank, providing policy consultation in Arctic geopolitics and security, economic development, etc.

After fully understood UArctic's purpose and form of activities, I was greatly inspired by its commitment of education promotion and knowledge sharing. Therefore, Jilin University would like to join the UArctic network, and to work with other member institutions, with the aim to train high-quality innovative talents, to transform high-level scientific research and achievements, to introduce high-quality social services and advanced culture, to create better lives and environments for the community, to address local and global challenges, and to make its due contribution to a better future for the North.

The application for membership of UArctic is fully supported by the leadership of Jilin University. Your concern and support are highly appreciated.

Prof. Dr. ZHANG Xi
President of Jilin University
Academician of Chinese Academy of Sciences

Jilin University
2699 Qianjin Street, Changchun, Jilin Province, China

2022 UARCTIC MEMBERSHIP APPLICANT – PROFILE

Applicant: Jilin University

Country: China

Membership Category: Non-Arctic

Membership Type: Higher Institution

Profile Description:

Jilin University (JLU), founded in 1946, located in Changchun, Jilin Province, China has 6,550 outstanding faculty members supporting its mission of research, teaching, and scholarship, offers 73,109 students a strong academic challenge in their undergraduate, master's and doctorate study through teaching and research excellence.

JLU is a merger of six universities. On June 12th, 2000, the former Jilin University, Jilin University of Technology, Norman Bethune University of Medical Sciences, Changchun University of Science and Technology, and Changchun Institute of Posts and Telecommunications merged into the current Jilin University. On August 29th, 2004, the former University of Military Logistics also joined Jilin University.

Led by its global strategy: Student-centered, Research-oriented and Service Glocal, as one of the largest and most comprehensive universities in China, selected as Category A in China's "Double world-class initiative", JLU undertakes the responsibility in educating talents, leading most-needed research, transferring and applying education and research benefit in helping Northeast China become more resilient and revitalized, more sustainable, healthy and smart.

Jilin University has developed partnerships with 302 universities and scientific research institutions from 40 countries or regions and has established 42 International cooperative platforms with higher education and scientific research institutions from 12 countries, including good many UArctic members like University of Groningen (Netherlands), Alfred-Wegener Institute (Germany), Copenhagen University (Denmark) and Lomonosov Moscow State University (Russia). JLU is committed to providing students with overseas learning opportunities through 79 dual degree programs with many world-leading universities, encompassing a wide range of disciplinary categories, including chemistry, materials sciences, electronic science and engineering, life sciences, business, law, etc.

By virtue of the above guidance and mechanism, the progression of JLU global strategy proves to be efficient in enhancing the schools, scholars and students' global understanding and their intercultural communication competence, increasing JLU's international profile with extended global impact.

Strategic/Thematic Focus Areas:

Glaciers and ice sheets,

Subglacial environment,

Drilling in the polar regions,

Ice physical properties,

Glacier dynamics,

Low-temperature materials development,

Alternative energy systems,

Ice and permafrost engineering,

Remote sensing techniques,

Climate change,

Arctic geopolitics and security,

Economic development,

Resources and environment