



**The 23rd International Symposium on Polar Sciences:
*Life at the Extremes: Resilience, Adaptation and Application Potential***

May 17-18, 2017
Korea Polar Research Institute, Songdo, Incheon
Republic of Korea

First Circular

We are pleased to announce that Korea Polar Research Institute will hold the 23rd International Symposium on Polar Sciences in Incheon, the Republic of Korea on May 17-18, 2017.

The International Symposium on Polar Sciences has been held once every year since the launch of our Antarctic research. This Symposium serves not only to bring polar scientists together, providing an international forum to exchange views and ideas, but also provides an opportunity to discuss collaborative research with colleagues.

THEME

Antarctic Horizon Scan identified, 'learning how Antarctic life evolve and survived' as one of the six most important research questions for the next 20 years and beyond. Polar genomics is also one of the research initiatives KOPRI recently selected to pursue. In this regard, the theme of the 23rd International Symposium on Polar Science is timely set; "*Life at the Extremes: Resilience, Adaptation and Application Potential.*" We cordially invite you to share your knowledge and understanding towards living organisms in the polar region.

TOPICS

We will discuss on the following six thematic topics of the current scientific achievements on Polar Life Science:

TOPIC I: Genomics and physiological studies of microorganisms living in extreme environments

TOPIC II: Adaptation of photosynthetic organisms to freezing environment

TOPIC III: Genomic and physiological adaptation in polar animals

TOPIC IV: Evolution: from fossils to genomics

TOPIC V: Marine food web: prey-predator

TOPIC VI: Cold-adapted proteins and metabolites: from molecular cloning to biotechnology

SIDE MEETING

Side meetings will be held to exchange ideas with experts of nations and/or NGOs before the 40th Antarctic Treaty Consultative Meeting (ATCM) on the following topic: Discussion of the Antarctic Treaty System (ATS) for the designation of Marine Protected Area (MPA) and conservation of marine living resources

INFORMATION

The overview and preliminary program of “The 23rd International Symposium on Polar Sciences” will be provided on the symposium website, after January 30, 2017.

ABSTRACT SUBMISSION

Please submit your abstract at the symposium website (<http://symposium.kopri.re.kr>) no later than March 17, 2017.

REGISTRATION

Please register at the symposium website (<http://symposium.kopri.re.kr>) no later than April 17, 2017.

If you have any questions, please do not hesitate to contact us (symposium@kopri.re.kr).

We look forward to your participation.

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