



# Second Circular

Call for Abstracts / Registration

<https://jcar.org/isar-6/>

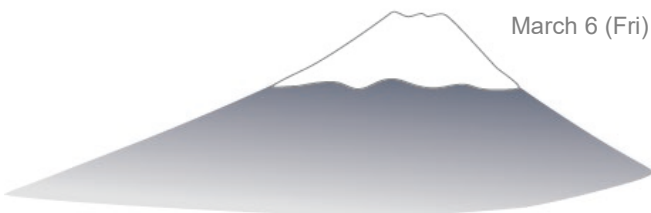
## Arctic Research: The Decade Past and the Decade Future

- **Understanding Arctic Change and Its Accelerating and Cascading Impacts.**
- **How the Arctic Research Has Contributed to Sustainable Development.**

Rapid changes are taking place in the Arctic that impact regional human and natural systems, and affect the global environment. The International Symposium on Arctic Research (ISAR) will meet for the sixth time since its first symposium in 2008 to identify changes in the Arctic environment and society, and to discuss possible future sustainable development. We invite all researchers with interests in the Arctic to participate in this multidisciplinary symposium and share their insights, their challenges, and to explore the possible futures of the Arctic. In addition to scientific papers, ISAR encourages reports on the human aspects of the Arctic including, the disciplines of the humanities, political science, economics, and engineering. Rapid warming in the Arctic is clear, however, the prediction of future climate change and environmental response is insufficient to guide sustainable development challenged by rapidly progressing resource utilization and economic activity. In ISAR-6, we will discuss the progression of Arctic research during the past ten years and what research may be required for the next 10 years to address the needs of sustainable development.

ISAR-6 will take place at Hitotsubashi Hall in Tokyo (see website) from March 2-6, 2020.

March 2 (Mon)	Registration Open at 12:30 Opening session, Keynote address, Icebreaker
March 3 (Tue)	Keynote address, Plenary Session, Poster presentation, Breakout Session
March 4 (Wed)	Breakout Session, Banquet
March 5 (Thu)	Keynote address, Plenary Session, Poster presentation, Breakout Session
March 6 (Fri)	Keynote address, Plenary Session, Closing session ISAR-6 closes at 13:00



# Call for Abstracts

The call for abstracts for oral and poster presentations is now open. The symposium will address “Arctic research: the decade past and the decade future.”

Symposium organizers invite you to submit abstracts to one of the sessions listed below. The regular sessions are single disciplinary session, and the special sessions are inter-/multi-disciplinary session.

Symposium Registration is required for all participants. Abstract submission is not registration.

- Abstracts are submitted via the symposium website.
- Please use the abstract template downloaded from the website.
- Your abstract will be uploaded to the ISAR-6 website, and the title and authors will be in the program booklet.
- If it is difficult to find an appropriate session for your abstract, choose a regular session, closest to your subject.
- The Symposium Organizing Committee (SOC) promotes Poster presentations. The best early career scientist (see below) poster will be presented with the “Young Scientist Best Poster Award.”
- **Deadline:** Abstracts will no longer be accepted after October 7, 2019.
  - \* Early Career Scientists up to five years after the completion of Ph.D. including Ph.D. students and Graduate students.

## ◆ Sessions

### Regular sessions

#### (R 1) Atmosphere

Main convener: Masakazu Yoshimori; Co-convener: Daisuke Goto

#### (R 2) Ocean and Sea Ice

Main convener: Eiji Watanabe; Co-conveners: Yasushi Fukamachi, Hajo Eicken

#### (R 3) Rivers, Lakes, Permafrost and Snow Cover

Main convener: Kazuyuki Saito; Co-conveners: Masahiro Hori, Kazuyoshi Suzuki

#### (R 4) Ice Sheets, Glaciers and Ice Cores

Main convener: Masashi Niwano; Co-conveners: Teruo Aoki, Yoshinori Iizuka

#### (R 5) Terrestrial Ecosystems

\*Subsumed under (S6)

#### (R 6) Marine Ecosystems

\*Subsumed under (S4)

#### (R 7) Geospace

Main convener: Yasunobu Ogawa; Co-conveners: Ryuho Kataoka, Yoshizumi Miyoshi, Takuo Tsuda, Takuji Nakamura

#### (R8) Laws, Politics and Economy

\*Subsumed under (S8)

#### (R 9) Language, Culture and Health

Main convener: Nobuhiro Kishigami; Co-conveners: Megumi Kurebito, Lynn Zender

#### (R 10) Engineering for Sustainable Development

Main convener: Hajime Yamaguchi; Co-convener: Genki Sagawa

### **Special sessions**

(S 1) Challenges for the Fast Transitions of Atmosphere, Sea Ice and Ocean in the Arctic Systems

Main convener: Jun Inoue; Yusuke Kawaguchi, Daiki Nomura

(S 2) Weather and Climate in the Arctic Region: Its Predictability and Remote Connection

Main convener: Akio Yamagami; Co-convener: Hiroyasu Hasumi, Mio Matsueda

(S 3) Synoptic Arctic Survey – An Ocean Research Program for the Future

Main convener: Shigeto Nishino; Co-convener: Are Olsen, Øyvind Paasche, Michiyo Yamamoto-Kawai, Sung-Ho Kang, Jianfeng He, Carin Ashjian, Jacqueline Grebmeier, Kumiko Azetsu-Scott, William Williams

(S 4) Integration of Oceanographic and Marine Ecological Research in the Pacific Arctic Region and the Northern Bering Sea

Main convener: Amane Fujiwara; Co-convener: Toru Hirawake, Takafumi Hirata, Kohei Mizobata, Yutaka Watanuki, Akinori Takahashi

(S 5) Glacier-ocean Interactions and Their Impact on Arctic Marine Ecosystem

Main convener: Jon Ove Hagen; Co-convener: Shin Sugiyama, Thorben Dunse

(S 6) Terrestrial Ecosystems, Hydrology, and Biogeochemistry

Main convener: Hideki Kobayashi; Co-convener: Tetsuya Hiyama, Hotaek Park, Tonghua Wu, Yongwon Kim, Daqing Yang

(S 7) Impact of Changing Arctic Natural Environment on Human Societies

Main convener: Shin Sugiyama; Co-convener: Hiroki Takakura, Shinichiro Tabata

(S 8) Regulating the Arctic Commons. Bridging Interests in Arctic Ocean Use, Legal Frameworks and Institutions

Main convener: Nikolas Sellheim; Co-convener: Akiho Shibata

(S 9) The Arctic Council: Past, Present and Future

Main convener: Osamu Inagaki; Co-convener: Sakiko Hataya

(S10) Global Competition among Great Powers and International Politics in the Arctic

Main convener: Fujio Ohnishi; Co-convener: Aki Tonami, Toshitaka Takeuchi, Minori Takahashi

(S11) Global Relevance of Arctic Policies & Strategies, and Observation & Modelling in the Arctic-Boreal Domain – discussion, assessment, analysis and brainstorming

Main convener: Lassi Heininen; Co-convener: Matthias Finger, Hanna Lappalainen

(S12) Arctic Communities and Indigenous Peoples in an Era of Change: Law, Social, Economic and Environmental Perspectives

Main convener: Violetta Gassiy; Co-convener: Natalia Loukacheva, Romain Chuffart

(S13) Building an Autonomous Arctic Community in the Anthropocene: Redefining the Human-environmental Ties

Main convener: Naotaka Hayashi; Co-convener: Minori Takahashi

(S14) Coping with Waste Disposal in Arctic and Sub-Arctic North America: The Role of Japanese Scientists

Main convener: Shunwa Honda; Co-convener: Fujio Ohnishi

(S15) Environmental Characterization of the NSR

Main convener: Takuji Waseda; Co-convener: Tatiana Alexeeva, Junji Sawamura

(S16) Loads, Ship Response, and Design of the NSR

Main convener: Akihisa Konno; Co-conveners: Junji Sawamura, Takatoshi Matsuzawa

(S17) Assessment/Economics/Feasibility and Risks of the NSR

Main convener: Natsuhiko Otsuka; Co-convener: Kazutaka Tateyama

(S18) Transdisciplinary Research and Education for a Sustainable Arctic

Main convener: Hajime Yamaguchi; Co-conveners: Magnus Burman, Hideaki Murayama, Nina Kirchner, Jessica Emakovich

(S19) Development and Implementation of a Sustainable Arctic Observing Network: Accomplishments and Challenges

Main convener: Jeremy Wilkinson, Stein Sandven; Co-conveners: Michael Karcher, Craig Lee, Hanne Sagen

(S20) Scientific Contributions to the Third Arctic Science Ministerial (ASM3)

Main convener: Volker Rachold; Co-conveners: Hiroyuki Enomoto, Thorsteinn Gunnarsson, Nicole Biebow, Jeremy Wilkinson

(S20-1) Strengthening, Integrating and Sustaining Arctic Observations, Facilitating Access to Arctic Data, and Sharing Arctic Research Infrastructure

(S20-2) Understanding Regional and Global Dynamics of Arctic Change

(S20-3) Assessing Vulnerability and Building Resilience of Arctic Environments and Societies

(S20-4) Capacity Building in the Arctic. Contribution of Science and Engineering, Private Sector and the Local Communities

## Registration

Please register via the website. If you are unable to register online, onsite registration will be available during the symposium from March 2 to March 6, 2020.

<https://www.jcar.org/isar-6/abstract/>

**Deadline of early registration: 10:00 am, January 20, 2020 (JST= GMT+9:00)**

**Deadline of late registration: 5:00 pm, February 3, 2020 (JST= GMT+9:00)**

### ◆Registration Fees

Registration Category	Early By January 20		Late January 21 – February 3		Banquet
	Whole period	JPY30,000	Whole period	JPY38,000	
Regular	Whole period	JPY30,000	Whole period	JPY38,000	JPY6,000
	One day*2	JPY15,000	One day*2	JPY20,000	
ECS*1	JPY5,000		JPY10,000		JPY6,000
Undergraduate Student	Free of charge		Free of charge		JPY6,000

JPY: Japanese Yen

Tax: included

\*1 ECS: Early Career Scientists up to five years after the completion of Ph.D. including Ph.D. students and Graduate students. If you register as ECS or Student (including undergraduates), please send to Registration Desk by e-mail ([isar6-rgst@or.knt.co.jp](mailto:isar6-rgst@or.knt.co.jp)) your

official credentials by following the instruction written in the automatic reply mail you received after the registration.

\*2 One day: Name card with attending date will be issued at the reception desk.

**Registration fee includes:**

- Admission to meetings and sessions
- Symposium materials
- Program booklet
- Coffee break refreshments during the symposium

**◆Travel Grants for Early Career Scientists (Closed on November 30, 2019)**

The ISAR-6 will provide grants for Early Career Scientists for participating in ISAR-6. The ISAR-6 SOC will be responsible for the selection. Applicants must submit an abstract to be eligible for a travel grant.

**Travel grants may be used for the following expenses:**

- Transportation costs
- Accommodation
- Daily allowance (calculated by the travel rules of the inviting institution)

The total amount of the grant per person will be maximum JPY250,000 for the applicant from outside Japan, and JPY80,000 for from inside Japan.

Applicants need to pay their own registration fee.

Applicants must complete the website by November 30, 2019.

The travel grant is provided several institutions which support ISAR-6. The rules for the travel cost reimbursement is different more or less by the institution. You must purchase tickets for transportation and provide the inviting institution with transportation receipts, and other documents the inviting institution needs.

Awards will be announced by December 20, 2019.

**◆Visa Information**

Attendees who require a visa support documents issued by the organizer, please complete the Personal Information Form and e-mail it with a scanned copy of your passport to [isar-visa@nipr.ac.jp](mailto:isar-visa@nipr.ac.jp)

Visa support documents will be issued only to attendees who have paid their registration fee. If you require a Japanese visa, please allow at least 5-6 weeks.

**The deadline for submitting the Personal Information Form is January 7, 2020**

Attendees should check if they require a visa to enter Japan on the website of Minister of Foreign Affairs of Japan\*.

\*website: [http://www.mofa.go.jp/j\\_info/visit/visa/index.html](http://www.mofa.go.jp/j_info/visit/visa/index.html)

**◆Payment**

Payment should be made by 10:00 am, January 20, 2020 (JST: GMT+9:00) for Early Registration and 5:00 pm, February 3, 2020 (JST: GMT+9:00) for Late Registration.

\* No registration and/or reservation will be confirmed in the absence of payment.

\* All payment should be made in Japanese yen only.

### ◆Change / Cancellation / Refund Policy

Regarding the changes and cancellations, a written notification should be sent to Registration Desk by e-mail ([isar6-rgst@or.knt.co.jp](mailto:isar6-rgst@or.knt.co.jp)) to avoid any trouble.

#### Registration cancellation fee

Until January 6, 2020: JPY2000

After January 6, 2020: 100% of charge

## Side Meetings

Do you want to organize side event during ISAR-6? We will be able to provide a few meeting rooms. The rooms in the venue are reserved on a first come, first served basis, and free of charge during the following time periods.

March 2 (Mon) 12:30-14:00, 17:00-21:00

March 3 (Tue) 12:30-13:30, 19:00-21:00

March 4 (Wed) 12:00-13:00

March 5 (Thu) 12:30-13:30, 19:00-21:00

If space is no longer-available, the ISAR-6 Secretariat can find rooms that may be rented. Please contact ISAR-6 Secretariat ([ISAR-secretariat@nipr.ac.jp](mailto:ISAR-secretariat@nipr.ac.jp)) providing the following information.

- Contact person's name, affiliation, e-mail address,
- Name of the meeting,
- Name of the meeting organizer and affiliation,
- Planned date and time period,
- Expect number of attendees, and
- Other specific requirements.

## Contacts

- Registration Desk: [isar6-rgst@or.knt.co.jp](mailto:isar6-rgst@or.knt.co.jp)
- Visa Desk: [isar-visa@nipr.ac.jp](mailto:isar-visa@nipr.ac.jp)
- ISAR-6 Secretariat: [ISAR-secretariat@nipr.ac.jp](mailto:ISAR-secretariat@nipr.ac.jp)

Organized by [Japan Consortium for Arctic Environmental Research](#)