

**Ministry of Science and Higher Education of Russian Federation
Irkutsk National Research Technical University**

**III Baikal International scientific online conference «Snow cover, precipitation, aerosols:
chemistry and climate» with support of IUPAC, announced on March 23-27, 2020,
will be held on May 11-12, 2021**

SECOND CIRCULAR

Irkutsk (Siberian Federal District, Russian Federation)

Reference. The III Baikal International scientific conference "Snow cover, precipitation, aerosols: chemistry and climate" is organized by Irkutsk National Research Technical University (<http://www.istu.edu/eng/>) and is supported by IUPAC (<https://iupac.org/event/snow-cover-atmospheric-precipitation-aerosols-chemistry-and-climate/>). The conference was planned to be held on March 23-27, 2020, in Listvyanka, but was postponed due to difficult sanitary and epidemiological situation.

Currently. Due to the continuing sanitary and epidemiological restrictions, the conference will be held online on May 11 and 12, 2021, from 15:00 to 18:00, Irkutsk local time (GMT+8) (<https://us02web.zoom.us/j/84970591314>).

The conference will be conducted by videoconference on the Zoom platform (conference ID: 849 7059 1314).

The conference has an interdisciplinary nature and is devoted to the study of the chemistry of snow cover, precipitation, aerosols of the Earth at climate change. Main topics: observation, interpretation and modeling studies of the composition of snow cover, precipitation, aerosols and physicochemical processes in Earth's atmosphere, including air pollution problems; the role of snow cover, precipitation, aerosols in biogeochemical cycles; chemical interaction of the oceans, the land surface and the biosphere with snow cover, precipitation, aerosols.

The purpose of the conference: the creation of a platform for the discussion of modern knowledge in the chemistry of snow cover, precipitation and aerosols under the influence of climate change; raising the level of information exchange, both within the scientific community and between organizations of the research sector and the commercial sector; expansion of methods and tools of scientific interaction and interdisciplinary information exchange; discussion of joint research in this field of science; to improve the quality of life.

Official languages of the conference: Russian, English.

Topics

1. Methods, methodology to the study of the physico-chemical properties and composition of the snow cover, precipitation, aerosols.
2. The impact of climate change, physico-chemical processes in the atmosphere and anthropogenic activity at the chemical composition of snow cover, precipitation, aerosols.
3. Modeling of the study of climate change, chemical composition and physico-chemical properties of the snow cover, precipitation and aerosols.
4. The role of the snow cover, precipitation, aerosols in biogeochemical cycles and the cryosphere.
5. The chemical interaction of the oceans, the land surface and the biosphere with snow cover, precipitation, aerosols.
6. Assessment of the impact of the snow cover, precipitation, aerosols on natural, socioeconomic systems and human health.

Brief conference program May 11, 2021

1. Greetings from organizers
2. Greetings from sponsors
3. Greetings from participants
4. Greetings from the representative of IUPAC
5. Reports of the participants

Brief conference program May 12, 2021

1. Reports of the participants
2. Discussions
3. Proposals for the organization of the IV conference. Discussion of the resolution
4. Conference results
5. Closing speech by organizers

Forms of participation

The following forms of participation are possible:

1. speaker: report during a video conference, online chat;
2. observer: participation without a report, online chat;
3. absentee participant: video presentation (duration up to 10 minutes).

Terms of participation

Until April 30, the participant's questionnaires, as well as the video presentation files (in case of absentee participation), are expected by e-mail to the address: ognev@istu.edu (Igor Ognev).

Before May 10, participants are supposed to register on the website <https://leader-id.ru/events/201991>.

Participant's questionnaire form

1. III Baikal International scientific online conference on May 11-12 in 2021

(If you are OK, please check by [x])

- 1) Full name:
- 2) Affiliation (City, Country):
- 3) Title of the report:
- 4) Form of participation (specify your choice): [] Speaker, [] Observer, [] Absentee participation
- 5) Possible date: [] May 11 or [] May 12 in 2021,
- 6) Possible time: from [:] to [:], Irkutsk local time
- 7) Other comments:

2. IV Baikal International scientific online conference in 2022

- 1) Do you approve the holding of the IV Baikal International Scientific Conference "Snow cover, precipitation, aerosols: climate and atmospheric protection" in 2022?
[] Yes or [] No, Comments if you have:
- 2) Are you considering including your institution to the list of official co-organizers of the conference?
[] Yes or [] No, Comments if you have:
- 3) Which season or months do you like for the conference?
Season: _____, Months: _____.
- 4) Your suggestions for possible sponsorship of the conference:
Comments:

It is recommended for all conference participants to prepare a presentation in English.

The number of participants is limited by the time frame of the conference. Please send your preferences for the date and time of the report in advance.

Terms of publication

Conference materials (reports of participants) were published in March, 2020. The proceedings are presented on the conference website <http://snow-baikal.tw1.ru>.

All participants with online reports will receive a participant certificate.

Contact information

You may address your questions by e-mail:

fduecn@bk.ru to Yanchenko Natalya (scientific program)

ognev@istu.edu to Ognev Igor (organizational issues)

arshinskyv@istu.edu to Arshinsky Vadim (site work, registration)