

International Association of Hydro-Environment Engineering and Research (IAHR)

Division II: Hydro-Environment Committee on Ice Research and Engineering

Minutes of Ice Committee Meeting at the 20th IAHR Symposium on Ice

Restaurant Myllysaari,
Myllysaari, (<http://www.myllysaari.fi/>).
Lahti (N 60°59,72', E 25°36,95').
Sunday 13 June, 3:00 – 5:00 pm and 7:00 – 9:00 pm
Thurs, 17 June, 2:50-3:20 pm (Student Paper Award Committee)

1. Welcome by chair

Ice Committee Chair Pat Langhorne welcomed the assembled committee members and Matti Lepparanta, symposium organizer, welcomed all to Finland.

Present:

Kalle Evers	Germany
Robert Gagnon	Canada
Jaakko Heinonen	Finland
Knut Hoyland	Norway
Martin Jasek	Canada
Jung-Hyun Kim (representing Kyungsik Choi)	Korea
Sinji Kioka	Japan
Pat Langhorne	New Zealand
Matti Leppäranta	Finland
LI Zhijun (representing YUE Qianjin)	China
Sveinung Loset	Norway
Hayley Shen	USA
Hung Tao Shen	USA
Vernon Squire	New Zealand
Andrew Tuthill	USA

Apologies:

Alexander Bekker	Russia
Kyungsik Choi	Korea
YUE Qianjin	China

2. Introduction of Committee Members

Committee members introduced themselves. Jung-Hyun Kim represented Kyungsik Choi of Korea and LI Zhijun represented YUE Qianjin of China.

3. Acceptance/modification of Agenda

The agenda prepared by Pat Langhorne was accepted.

4. Appointment of Student Paper Award Committee

Vernon Squire, Robert Gagnon, and Martin Jasek agreed to serve as judges in the student paper contest. Hayley Shen and Andy Tuthill agreed to be non-voting judges to provide additional input in case of conflict of interest. This group spans the disciplines of sea ice, ice mechanics and river ice.

Criteria for the award were discussed:

- 1) Awardee must be a full-time student at a university during a period between the last and present symposia
- 2) The paper must be **orally** presented by the student nominated
- 3) The student must be the sole or primary author.
- 4) Both the contents of the paper and the presentation are to be judged
- 5) The paper must already be included in the pre-symposium volumes available at registration.

5. Update on 20th Ice Symposium

Matti Leppäranta gave us a summary of the 20th (present) Ice Symposium saying that 160 participants had registered and 157 papers had been submitted.

6. Approval of committee membership

After a discussion of term lengths and committee membership status, it was determined that the 6-year terms of Alexander Bekker (Russia), YUE Qianjin (China) and Robert Gagnon (Canada) were ending in 2010. Terms are typically 6 years, with an additional 4 years as a co-opted committee member. Chairmanships are 4 years. Appendix A shows the status of the terms of various committee members.

7. Appointment of new committee members

Robert Gagnon suggested Claude Daley of Memorial University in St. Johns, NF to succeed him as a committee member from Canada. Daley is very active in research related to ice damage to ships and structures. Pat Langhorne later reported that the Russian national IAHR committee had nominated Dr Natalya S. Bakanovichus. . Hung Tao Shen believes that an important criterion in the selection of new committee members is their ability and willingness to attend the ice symposia and assist ice symposia organization.

8. Ice Research and Engineering Award in 2010

Torkhild Carstens was chosen to receive the 2010 Ice Engineering Award. This award recognizes long-term significant accomplishments in the field of ice engineering and support to the ice research and engineering section of the IAHR.

9. Approval of awards

The committee approved the suggested nominations for new committee members and the selection of Dr. Carstens for the 2010 Ice Engineering Award.

10. Review of action items of the 2008 meeting

A. Working Groups and Special Session Topics

The role and importance of working groups was discussed. It was asked why have working groups if the groups do very little between symposia. Special session topics at 2010 Symposium are:

- Ice thickness
- Scaling and model basin tests
- Numerical modeling of ice-structure interaction
- Eco-ice hydraulics
- Ice jam flooding
- Lake ice

A number of working groups were suggested at the 2008 Ice Committee meeting by Mauri Määttänen:

- Ice mechanics
- Ice bridge formation and ice pile up
- Ice aspects of climate change
- Instrumentation in ice research
- Ice engineering and ice management
- Environmental issues in ice infested waters

Kyungsik Choi also suggested a topic area on ship-ice interaction problems since ship building is important in Korea. It is not clear to what extent any of these proposed working group activities were pursued.

Hayley Shen suggested a review article might be produced every 4 years in one of the three subject areas of river ice, sea ice and ice mechanics. Pat Langhorne expressed the view, supported by Hung Tao Shen, that the main work of the IAHR ice committee was to plan and organize ice symposia since the interaction and proceedings from these meetings are of considerable scientific value and at least as important as review articles.

B. Maintaining of the IAHR Ice Committee Website

All agreed that the IAHR ice web site (<http://web2.clarkson.edu/projects/iahrice/>) is critical to those interested in ice research and engineering, the IAHR's ice activities, and the planning for future IAHR ice symposia. In 2008, it was suggested that CRREL take over the website. Andy Tuthill looked into this but deemed that it would be not ideal in view of the US Army red tape and computer security protocols. It was then suggested that the IAHR host the ice website. The names Chris George, Beatriz Comesaña and Peter Goodwin were suggested as possible points of contact at the IAHR. Requirements would be that the public should have free access to symposia proceedings and that IAHR ice committee members should be able to easily access and update the content of the web page.

11. Status Report of the planning for 21st Ice Symposium, Dalian, China, 2012

Zhijun Li updated the committee on the planning for the 21st Symposium to be held in Dalian China, 11-15 June 2012. A brochure (Appendix B) and a poster were made available at the registration desk. The symposium Li said will cover a range of river, lake, glacier and sea topics and their interaction with climate change.

12. Ice Research and Engineering Award 2012

Potential nominees were discussed. Award candidates are to be voted on later by committee members and past chairs. The confidential vote will be conducted by the committee secretary by email. No requirement exists to give this award every two years. The award is to give recognition for outstanding technical contributions in the field of ice engineering and research, as well as the long term support of the activities of the IAHR Section on Ice Research and Engineering.

13. Proposals for the 22nd Ice Symposium in 2014

Venues of the ice symposia are traditionally rotated between Europe, Asia, North America and the southern hemisphere (etc). The 2014 meeting should therefore be in the southern hemisphere (Australia or New Zealand) or North America. The idea of combining the ice symposium with the IGS sea ice conference in Hobart Australia was discussed and rejected. Holding the 2014 meeting in Dunedin, NZ also came up (last held there in 2002). A US venue was also discussed, with possibilities of Alaska (Anchorage?) or Hanover, NH. The last US symposium was held in Potsdam, NY in 1998.

14. Re-structuring of IAHR

Martin Jasek reported on a seminar he had attended on restructuring the IAHR. He said that the ice committee has been placed under the IAHR Hydro-Environment Division, Appendix C explains some of the details and how the changes might pertain to the ice committee.

15. Linkages with the Winter Limnology Series (WLS) under SIL (International Limnological Society, Contact Prof. Brian Moss)

We discussed whether the IAHR ice committee should invite the WLS to organize joint sessions at future ice symposia. The general feeling was “why not?” It was suggested that we invite an ILS member to organize a winter limnology session at the 2012 China meeting. Matti Leppäranta will look for someone that might be willing to fill this role.

16. Other Business

Hung Tao suggested that the organizers of each symposium provide the secretary of the ice committee with a list of participants and their e-mail addresses. (The 2010 conference CD contains a list of participants and the e-mail addresses can be found on the individual papers).

The issue of payment in advance or at registration came up. In the Finland 2010 case, the university system of organizers was unable to accept credit card payment on site. The organizers also pointed out that payment in advance gives the organizers a better sense of

how many will actually attend and provides needed funds in the planning phases (reserving facilities, etc.).

17. Student Paper Award

Nicolas Serré from Norwegian University of Science and Technology won the award for the best student paper "Loads from ice ridge keels -experimental vs. numerical vs. analytical". Since Nicolas had departed before the presentation of the award during the closing ceremonies, Knut Hoyland accepted it on his behalf.

18. Action Items

A. Select willing nominees to fill the positions of Robert Gagnon (Canada) and Alexander Bekker (Russia). (Gagnon, Bekker, Langhorne)

The Russian national IAHR committee has nominated Dr Natalya S. Bakanovichus.

B. Investigate the possibility and mechanics of having the IAHR host the ice committee website. (Tuthill, Langhorne).

C. Discuss via e-mail and select the best candidate for the Ice Research and Engineering Award 2012 (all)

D. Narrow in possible venues and organizers for the 2014 ice symposium (all).

E. Invite Winter Limnology Society member(s) to attend and organize winter limnology session(s) at the 2012 China ice symposium. (Leppäranta)

D. Investigate and discuss the option of paying registration fees at ice symposia.

E. Provide the secretary of the ice committee with a list of participants and their e-mail addresses. (Leppäranta, Tuthill) (Done).

Respectfully Submitted,

Andrew M. Tuthill, P. E.
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Hanover, NH 03755
603-646-4225 office

APPENDIX A– Current committee members

					2006		2008		2010		2012		2014
				year	Symp Japa n		Symp Canada		Symp Finland		Symp China		Symp ?
Bekker	Alexander	Russia	member	2006									
Choi	Kyungsik	Korea	member	2006									
Evers	Kalle	Germany	co-opted	2008									
Gagnon	Robert	Canada	member	2004									
Heinonen	Jakko	Finland	member	2008									
Hoyland	Knut	Norway	member	2008									
Jasek	Martin	Canada	member	2008									
Kioka	Shinji	Japan	member	2008									
Langhorne	Pat	New Zealand	chair	2004									
Leppäranta	Matti	Finland	member	2008									
Loset	Sveinung	Norway	co-opted	2008									
Shen	Hayley	USA	member	2006									
Shen	Hung Tao	USA	co-opted	2004									
Squire	Vernon	New Zealand	member	2008									
Tuthill	Andrew	USA	secretary	2006									
Yue	Qianjin	China	member	2004									

5.

Appendix B. Brochure, 2012 Ice Symposium in Dalian, China

REGISTRATION

Registration can be made on the symposium web site. Onsite registration can be made during the Symposium before morning sessions begin.

SOCIAL & ACCOMPANYING PERSONS' PROGRAMS

City Excursion by bus to the Dalian Laohutan Polar Aquarium will be organized on Wednesday afternoon, June 12. The excursion includes a guided tour on Xinghai Square Park, Dalian Laohutan Polar Aquarium and a dinner on the top floor of Dalian Harbour View Hotel. It is included in the registration fee.

An Ice breaker will take place on Monday evening, June 11, and it is included in the registration fee.

A banquet will be arranged on Thursday evening, June 14, and it is included in the registration fee.

Program for accompanying persons will be: 1 day city tour; half day shopping. It is included in the registration fee.

Post Symposium Sightseeing Tours to other attractions in China will be available to participants through arrangements with a local travel agency. Details will be provided at the symposium web site.

SYMPOSIUM WEB SITE

Updated information and full details of the Symposium will be posted on the web site:

<http://slcoe.dlut.edu.cn/ice/iahr2012.html>

FURTHER INFORMATION

If you want to receive further information on the Symposium then please return the attached reply form as soon as possible. You may register your interest through the reply form on the web site. Those who have registered interest will receive the second circular

Any questions, please emails:
lupeng@dlut.edu.cn

SCIENTIFIC COMMITTEE

LI Zhijun, China (Chair)
CHENG Xiao, China
EICKEN Hajo, USA
GAO Gouming, China
GERLAND Sebastian, Norway
HOYLAND Knut, Norway
IZUMIYAMA Koh, Japan
LI Changyou, China
LI Guifeng, China
LIU Shiyong, China
OU Jinping, China
QIU Dahong, China
RICHTER-MENGE Jackie, USA
SHEN Hung Tao, USA
SAKAI Shigeki, Japan
HAAS Christian, Canada
RYTKÖNEN Jorma, Finland
TIMCO Garry, Canada
VIHMA Timo, Finland
WU Huidong, China
XIE Shileng, China
YANG Daqing, Norway
YANG Kailin, China
YUE Qianjin, China
ZENG Hengyi, China

LOCAL ORGANIZING COMMITTEE

Chairman: LU Peng (Dalian University of Technology)
Co-chairman: GAO Jizhang (China Chapter of IAHR)
Members:
CAI Lin
DONG Guohai
HUANG Yan
LI Hai
MAO Zeyu
PENG Jing
QU Xiangming
SUN Bo
YU Tianlai
WANG Jun
WANG Liangxiang
ZHANG Mingyi

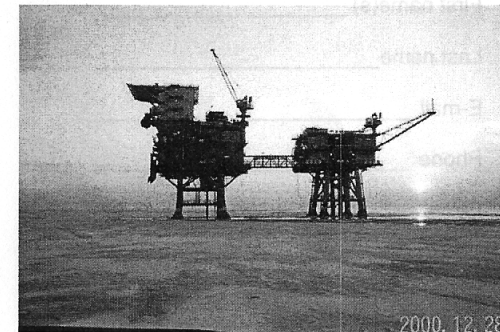


International
Association for
Hydro-Environment
Engineering and
Research

**21st International
Symposium on Ice**

Dalian, China

11 – 15 June 2012



Organized by

International Association for Hydro-Environment
Engineering and Research

Sponsored by

State Key Laboratory of Coastal and Offshore
Engineering, Dalian University of Technology

China Chapter of International Association for
Hydro-Environment Engineering and Research

First Announcement

REGISTRATION OF INTEREST

Please return the form by E-mail lupeng@dlut.edu.cn or post as soon as possible. The form is available at symposium web.

21st International Symposium on Ice
State Key Laboratory of Coastal and Offshore
Engineering
Dalian University of Technology
#2, Linggong Road, Gan Jingzi
Dalian 116024
China



Are you a full time student? YES NO

First name(s) _____

Last name _____

E-mail _____

Phone _____

Fax _____

Address _____

Country _____

I need a letter of invitation YES NO

I wish to participate without presentation of paper YES NO

I expect to present a paper YES NO

Possible paper title and/or general subject area _____

Special needs? _____

YOU ARE WELCOME

We invite you to Dalian, China, in 2012 to attend the 21st International Symposium on Ice. The symposium will be held from 11 – 15 June 2012, in the golden season period in Dalian.

THEME

The Symposium will cover arrange of river ice, lake ice, glacier ice, sea ice and their interactions with climate changes.

TOPICS

- Fundamental processes in fresh water and saline floating ice
Ice physics and mechanics; Ridge formation, grounding and ice pile-up; Impact of climate change on polar and sub-polar ice conditions
- Instrumentation in ice research
Field technology; Laboratory technology; Remote sensing platforms
- Ice engineering and management
Ice-structure interaction; River, lake, reservoir and sea ice problems; Extreme ice features
- Environmental and ecological concerns in ice-infested water
Ecology in ice-covered waters; Oil spills in ice-covered sea areas; Environment problems in river, lake, and reservoir ice
- Ice industry and society problems under climate change
The frangibility water resource from glacier ice; Fishing, navigation, tourism in icy conditions; Economic concerns on ice

ABSTRACTS

Authors are invited to submit a 300 word abstract by December 31, 2011 by E-mail to lizhijun@dlut.edu.cn
Dr. Zhijun Li
State Key Laboratory of Coastal and Offshore Engineering
Dalian University of Technology
Dalian 116024, China

SPECIAL SESSIONS

Proposals on organizing special sessions are welcome. Please submit, not later than August 30, 2011, a session-organizing plan including session topic, theme and possible number of presentations to LOC for acceptance. Detail program will be available at symposium website and will be announced in the second circular.

IMPORTANT DATES

Abstract submission:	31 December	2011
Abstract acceptance:	31 January	2012
Draft manuscript submission:	15 March	2012
Registration Open	1 April	2012
Early registration fee:	30 April	2012
Final papers:	1 May	2012
Registration:	31 May	2012

REGISTRATIONS FEES

The registration fee includes scientific program, proceedings, official dinner and luncheons, morning and afternoon coffees/teas, ice breaker and banquet, excursion.

	Payment before April 30	Payment after April 30
IAHR-members	US \$380	US \$480
Others	US \$420	US \$520
Full-time students	US \$250	US \$300
Accompanying person	US \$150	US \$200

ACCOMODATION

Accommodation options will include single and double rooms in the **Hotel of Dalian University of Technology**. Also it is possible to use cheaper hotels near the university. More details will be given in the second circular and on the web site.

Appendix C.

Report from Martin Jasek on the Leadership Seminar at the IAHR Congress in Vancouver.

(This was circulated to the ice committee on 13 August 2009).

You will be happy to know that the IAHR council has approved the Ice Committee's wishes to be placed in the IAHR Hydro-Environment Division and were presented as such in Gerhard's PowerPoint presentation. Gerhard's comment was something like "we wanted each committee to feel empowered and happy under which division they are under".

Changes that may affect the Ice Committee:

1. Any IAHR member can choose to be on any committee that they desire and can register as a member of that committee through the IAHR website. IAHR will be encouraging all its members to register (or affiliate themselves) with committees that they are interested in. IAHR members can choose one primary affiliation and two secondary affiliations where their votes will count as 1 vote and 0.5 votes respectively. Thus for the ice committee this means that we could find ourselves with new members.
2. Each committee will have a "Leadership Team" consisting of 6 to 8 elected individuals which include the Vice-Chair, Chair and Past-Chair and a 2-year election cycle. There are also some guidelines for length of terms. Certain members of the Leadership Team should be IAHR members.
3. Each Committee will be responsible for producing "products". Once every 4 years the committee will be required to produce 1 item from each of the following 3 categories:
 - i - Review of articles and special issues
 - ii - Book, monograph or design manual
 - iii - Speciality Symposia and or conferences
4. Each Committee should have annual meetings (one at the IAHR Congress). The latter should coincide with the Committee's election cycle. This may be a problem for the Ice Committee. However, there is at least one other committee (Eco-Hydraulics) that is in the same position and there was some discussion about allowing "special cases".
5. An Annual Report for the IAHR Newsletter is required as before.

There was also some discussion about the IAHR name change. As you know from the Report on Structure Change the name selected was: "International Association for Hydro-Environment Engineering and Research (IAHR)". Some argued that a small change on this name: "International Association for Hydro-Environmental Engineering and Research (IAHR)" would be more strategic. There were good points made on both side.