**International Association of Hydraulic Engineering and Research (IAHR) Division II: Hydro-Environment**

**Committee on Ice Research and Engineering**

**Ice Committee Meeting, June 2022**

Notes:

* This meeting was part of the 26th Symposium on Ice in Montreal.
* A few attendees were present in person, most were on line.
* Two meetings were held, so as to cover the full agenda
  + Monday 20.06.2022, 12h-13h Montreal time (18h CET)
  + Tuesday 21.06.2022, 12h-13h Montreal time (18h CET)

*Attending in person*: Knut V. Høyland, Stephen Ackley, Arttu Polojärvi, Tadros Ghobrial, Paul Barrette

*Attending on line*: Jukka Tuhkuri, Hayo Hendrikse, Tomasz Kolerski, Junji Sawamura, Lu Peng, Qingkai Wang, Tatiana Uvarova, Xinlei Guo, Yuntong She

*Apologies*: Robert Bridges, Raed Lubbad.

Agenda

1. Welcome (by chair) and apologies
2. Acceptance of Agenda
3. Acceptance of new committee members

All new members were accepted. However, Bolshev should get in touch with the committee and confirm his membership. Uvarova will inform him.

* 1. *Two new members from Finland:*
     1. *Jari Uusikivi (Dr. Uusikivi has PhD in Sea Ice, works in Finnish Environment Institute CV is provided)*
     2. *Jukka Tuhkuri (Prof. Tuhkuri is expert in mechanical engineering and sea ice).*
  2. *New member from Norway, Raed Lubbad (Dr. Lubbad has PhD in sea ice and is active in Arctic marine engineering)*
  3. *New member from China: Qingkai Wang (CV was provided by Peng, and Dr. Wang is active in ocean engineering).*
  4. *New members from Canada: Tadros Ghobrial (a short resume of Dr. Ghobrial was also provided – available upon request). Tadros is active in river ice engineering*
  5. *New member from New Zealand: Max Thomas’ interest in ice comes from a PhD in sea-ice physics (some fluid dynamics, some mechanics), and his current position where he is looking at feedbacks between Antarctic ice melt and Southern Ocean sea-ice area.*
  6. *Two new members from Russia:*
     1. *Aleksandr Bolshev from Peter the Great St.Peterburg Polytechnical University.*
     2. *Tatiana Uvarova from Far Eastern Federal University.*

1. Venue for the 2026 meeting. Presentation of Jiangsu University of Science. Dr. Zhou Li presented. The committee will make a decision in upcoming meeting.
2. New chair and co-chair from 2022, Tomasz Kolerski (Chair) and Paul Barrette (co-chair) accepted.
3. Ice symposium 2022 – Summary of outcome:
   1. Format

* From Sunday (ice breaker) to Thursday (1/2 day), i.e. over 5 days
* 25 parallel sessions in up to three rooms
* Location: École de Technologie Supérieure (ÉTS)
* Also included: Posters session, Exhibitor Meet & Greet, field activities
  1. Registrations (133):
* 54 attendees
* 23 student attendees
* 43 on-line attendees
* 3 Keynote Speakers: Trevor Bell, Rick Carlson, Ken Croasdale
* 7 sponsors: Manitoba Hydro, Lasalle/NHC, École de Technologie Supérieure, Geniglace Inc., Stantec, KGS Group, Hatch Ltd.
* 3 exhibitors: Hoskin Scientific (Quebec), Nupoint System Inc. (Canada), SAMS Enterprise (Scotland)
  1. Papers & posters:
* 79 papers (including keynotes)
* 6 posters
  1. Student paper competition:
* here were 29 student papers
* the winner was Clement Billy

1. Venue for Ice Symposium 2024 in Gdańsk, Poland (Kolerski presented plans at the event’s closing ceremony)
2. Indexing in Scopus, Web of Science: Hendrikse and Polojärvi give an update. Kolerski will see how we can get help from IAHR on this.
3. Ice research and engineering award.
   1. Dr. Spyros Beltaos awarded in Montreal
   2. Suggestions for 2024. Knut Høyland suggested Matti Leppäranta and will make a proper nomination in the next meeting.
4. Formalize rules for Ice committee – follow up discussion from last meeting. This item was postponed until the next meeting due to lack of time.

There exits guidelines/rules for IAHR Technical committees (https://static.iahr.org/laws/Technical Divisions and Committees/By-laws Technical Committees (2009).pdf)

1. Any other business? Were there any other businesses?

**APPENDIX**

**A1. Table 1 IAHR Ice committee for members, as of June 2022.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Last name | First name | e-mail | Country | Position | Year start | Term ends | IAHR ID |
| Kolerski | Tomasz | [tomasz.kolerski@pg.edu.pl](mailto:tomasz.kolerski@pg.edu.pl) | Poland | Chair | 2022 | 2030 | 50496 |
| Barrette | Paul | [paul.barrette@nrc-cnrc.gc.ca](mailto:paul.barrette@nrc-cnrc.gc.ca) | Canada | Co-chair | 2022 | 2028 | 83119 |
| Høyland | Knut | [knut.Høyland@ntnu.no](mailto:knut.hoyland@ntnu.no) | Norway | Co-opted | 2022 | 2026 | 51304 |
| Ackley | Steve | [Stephen.Ackley@utsa.edu](mailto:Stephen.Ackley@utsa.edu) | USA | Member | 2018 | 2024 |  |
| Bridges | Robert | [robert.bridges@total.com](mailto:robert.bridges@total.com) | France | Member | 2018 | 2024 |  |
| Guo | Xinlei | [guoxinlei@163.com](mailto:guoxinlei@163.com) | China | Member | 2018 | 2024 | 25890 |
| Hendrikse | Hayo | [h.hendrikse@tudelft.nl](mailto:h.hendrikse@tudelft.nl) | Netherlands | Member | 2018 | 2024 | 39227 |
| Jeong | Seong Yup | [jsyeop@kriso.re.kr](mailto:jsyeop@kriso.re.kr) | Korea | Member | 2018 | 2024 | 87685 |
| Maslowski | Wieslaw | [maslowsk@nps.edu](mailto:maslowsk@nps.edu) | USA | Member | 2018 | 2024 |  |
| Yap | Kim Thow | [kimthow.yap@gmail.com](mailto:kimthow.yap@keppeltech.com) | Singapore | Member | 2018 | 2024 |  |
| Haase | Andrea | [haase@hsva.de](mailto:haase@hsva.de) | Germany | Member | 2020 | 2026 |  |
| Sawamura | Junji | [sawamura@naoe.eng.osaka-u.ac.jp](mailto:sawamura@naoe.eng.osaka-u.ac.jp) | Japan | Member | 2020 | 2026 |  |
| Bolshev | Alexander | [bolshev\_as@spbstu.ru](mailto:bolshev_as@spbstu.ru) | Russia | Member | 2022 | 2028 |  |
| Ghobrial | Tadros | [tadros.ghobrial@gci.ulaval.ca](mailto:tadros.ghobrial@gci.ulaval.ca) | Canada | Member | 2022 | 2028 | 80285 |
| Lubbad | Raed | [Raed.lubbad@ntnu.no](mailto:Raed.lubbad@ntnu.no) | Norway | Member | 2022 | 2028 |  |
| Qingkai | Wang | [wangqingkai@dlut.edu.cn](mailto:wangqingkai@dlut.edu.cn) | China | Member | 2022 | 2028 | 51249 |
| Thomas | Max | [max.thomas@otago.ac.nz](mailto:max.thomas@otago.ac.nz) | New Zealand | Member | 2022 | 2028 |  |
| Tuhkuri | Jukka | [Jukka.tuhkuri@aalto.fi](mailto:Jukka.tuhkuri@aalto.fi) | Finland | Member | 2022 | 2028 |  |
| Uusikivi | Jari | [jari.uusikivi@syke.fi](mailto:jari.uusikivi@syke.fi) | Finland | Member | 2022 | 2028 |  |
| Uvarova | Tatiana | [uvarova.tye@dvfu.ru](mailto:uvarova.tye@dvfu.ru) | Russia | Member | 2022 | 2028 |  |