



IAHR Committee on Fluid Mechanics Meeting

Sunday June 19th, 2022, 15.30 (CET time, Madrid)

Draft Minutes

Present

Vladimir Nikora (VN), Chair
Claudia Adduce (CA), Vice Chair
Maria Rita L. M. F. Carvalho (MC)
Blair Johnson (BJ)
Damien Violeau (DV)

Excused

Harindra Joseph Fernando
Thorsten Stoesser
Alexander Nicholas Sukhodolov

1. Welcome

The meeting starts at 15:30 CET.
Vladimir Nikora (VN), welcomes FM members.

2. Renewed FM LT Membership

VN introduces the new FM LT members elected in July 2021 during the 1st IAHR Online Forum. The renewed LT membership is:

Chair: Prof. Vladimir Nikora (University of Aberdeen, UK), v.nikora@abdn.ac.uk
Vice-Chair: Prof. Claudia Adduce (Roma Tre University, Italy), claudia.adduce@uniroma3.it
Past-Chair: Prof. Harindra Joseph Fernando (University of Notre Dame, USA), Harindra.J.Fernando.10@nd.edu

Members:

Prof. Rita F Carvalho (University of Coimbra, Portugal), ritalmfc@dec.uc.pt
Prof. Blair Anne Johnson (University of Texas at Austin, USA), blairjohnson@utexas.edu
Prof. Thorsten Stoesser (University College London, UK), t.stoesser@ucl.ac.uk
Dr Alexander Sukhodolov (Institute of Freshwater Ecology and Inland Fisheries, Germany), sukhodolov@igb-berlin.de

Prof. Damien Violeau (Electricité De France, Division R&D, France),
damien.violeau@edf.fr

Up to three co-opted members will be selected to join the FM-LT to improve gender balance, geographical representation, and links with industry.

3. Discussion on publications, conferences, EDI

VN outlined the key events supported by the FM Committee recently and planned shortly:

- 5th International Symposium on Shallow Flows (ISSF) October 23-25, 2021, Nanjing, China (online).
- 9th International Symposium on Stratified Flows (ISSF) 29 August - 1 September, 2022, Cambridge, UK
- 9th Gerhard Jirka Summer School-Environmental Fluid Mechanics, 6-10 June 2023, Bari, Italy.

VN presented four FM-LT working groups devoted to the following major work directions of the Committee:

1. Publications Group, Leader: Damien Violeau

Focus is on IAHR New Monographs Series; Reviews/Vision Papers for JHR, Env Fluid Mech, and other journals; other forms of publications.

DV introduced the IAHR new monographs series Group, which he chairs, and described its activities.

2. Conferences/Meetings/Summer Schools Group, Leaders: Claudia Adduce, Blair Johnson

Focus of this group is on the flowing events sponsored by the Committee: IS Environmental Hydraulics; IS Stratified Flows; IS Shallow Flows; G. Jirka Summer School. The LT considered and approved the application of the Aberdeen University to host the upcoming IS Environmental Hydraulics that will be held in Aberdeen in July 2024.

3. Equality, Diversity, and Inclusion Group, Leader: Thorsten Stoesser

Focus is on expanding and balancing the Committee membership; diversification of keynote speakers for our events; alignment with IAHR EDI actions.

VN mentioned that the present FM-LT is composed by 6 members with 3 females and 3 males, and the vice chair is a woman.

4. Cross-Committees actions Group, Leader: Rita Carvalho

Focus is on joint initiatives with other Technical Committees (e.g., Hydraulic Experimental Methods; Fluvial Hydraulics).

4. Discussion on Cross-Committee activities (all LT members + members of other TCs)

VN

RC met some members of the Fluvial Hydraulics and Experimental Methods and Instrumentation Committees and they decided to organize a joint event between FM, FH and EMI Committees. This initiative was strongly supported by the LT.

5. Discussion on how to engage more IAHR members in the Committee actions (all LT members)

DV suggested to advertise FM events by LinkedIn.

VN mentioned that the webinar ‘Fluid mechanics of hydro-environment: focus for the next decade’ was watched during the event by about 7000 people, and it available on-line now on IAHR website. LT decided that hybrid events can help to improve the visibility of FM committee events, and this type of meeting should be supported.

Mario Franca strongly supported this idea and mentioned that next editions of Fluvial Hydraulics conferences will be hybrid. The next Stratified Flows Symposium, which will be held in Cambridge in August 2022, will be hybrid too.

6. Discussion on engaging with industry

VN mentioned that the IAHR Council strongly encourages improving the links between the IAHR and industry by the TCs. Our conferences could be an opportunity to strengthen a connection between academia and industry if we expand representation of industry members.

Michael Nones asked how can we engage industry if we are all scientists/academics. VN suggested that industries have professional development departments/sectors, which can be interested in a connection with IAHR. Daniel Valero mentioned that ICOLD is active within the International Symposium on Hydraulic Structures and during this congress ICOLD is invited to give a key-note lecture. Daniel Valero suggested that another way to engage industry could be to have a prize for an IAHR member that published a conference paper based on a joint research with industry or to organize an event for YPNs to meet an advanced career professional from industry. This matter was also a focus of Jochen Aberle comments.

VN mentioned that a co-opted member of the FM LT could be chosen within industry as suggested by the IAHR President.

7. Other Issues

No other issues are raised.

VN/CA, 28 July 2022

List of participants

1. Vladimir Nikora, University of Aberdeen (UK)
2. Claudia Adduce, Roma Tre University (Italy)
3. Maria Rita L. M. F. Carvalho, University of Coimbra (Portugal)
4. Blair Johnson, University of Texas at Austin (USA)
5. Damien Violeau, EDF (France)
6. Serhat Kucukali, Hacettepe University (Turkey)
7. Gabriela Castiollon, IHE Delft (Netherlands)
8. Mohamed Houcem Ben Arab, HKUST (Hong Kong)

9. Silvia Meniconi, University of Perugia (Italy)
10. Daniel Valero, Karlsruhe Institute of Technology (Germany)
11. Moez Louati, HKUST (Hong Kong)
12. Michael Nones, IGF PAS (Poland)
13. Mario Franca, Karlsruhe Institute of Technology (Germany)
14. Elena Pummer, NTNU (Norway)
15. Jochen Aberle, TU Braunschweig (Germany)
16. Janek Lanearu, Tallin University of Technology (Estonia)
17. Hugo Ulloa, University of Pensilvania (USA)
18. Juvenal Vetevier, University of Chile (Chile)
19. Zhuhua Xie, Cardiff University (UK)
20. Maria Rita Maggi, Roma Tre University (Italy)
21. Saraswati Thapa, University of Edinburg (UK)