

IAHR Experimental Methods and Instrumentation Committee

Minutes EMI Leadership Team meeting, Thursday 19th, September 2024, 15:00 Central European Time (14:00 Lisbon Time, 10:00 Buenos Aires and Brasilia) – On Line

1. Information

The meeting began with a discussion on the outcomes of a recent meeting between the TC Chairs, Chairs of the Publications Committee and the Vice-President of IAHR, where concerns about declining manuscript submissions to IAHR journals were raised. A more active role in proposing special issues and disseminating knowledge is envisaged for TCs.

The proposed on-line form by IAHR (through Estíbaliz Serrano) was discussed, completed and submitted that collected EMI-TC possible actions to contribute in foster knowledge dissemination and specifically IAHR publication portfolio.

Aim and scopes of the IAHR Journals covering EMI objectives were discussed. Journal of Hydraulic Research was indicated as the most aligned to the EMI technical committee's scope. Additionally, opportunities for publication were explored, including a special session for the IHR World Congress (Singapore 2025). The conversation also touched publication opportunities related to drones and the upcoming River Flow 2026 initiatives, indicating a proactive approach to disseminating research.

2. EMI initiatives

W.A.T.E.R. Summer School, 8th edition in Strasburg, France, July 1-5, 2024 was organized by I-CUBE and Ubertone. It was a successful edition collecting 20 participants.

W.A.T.E.R. next editions will be organized by IBW-PAN in Gdansk, Polonia. Rui Aleixo reported about the overall agreement and support by IBW to the event that would likely take place on the first week of September 2025.

3. IAHR events and initiatives

Rui Ferreira (RF) reported about the hands-on course “ONLINE SCHOOL ON LATERAL CAVITY. Hybrid and multi Lab study of the flow pattern in a Lateral Cavity” (<https://www.iahr.org/index/detail/1204>) a IAHR cross committees action group involving Committees on Fluid Mechanics, Experimental Methods and Instrumentation and Fluvial Hydraulics. The group shared concerns about student engagement and retention, exploring the incorporation of video tutorials and the format of future courses. RF stated that cross-

committee initiatives like this should exist but should consolidate communities and practices leading to greater engagement and benefits for the organizers, for the attendees and for IAHR. RF is not sure he can repeat the experience and bringing EMI into such an initiative as some of the premises are not being met. RF calls for new ideas and volunteers to carry out cross-committees activities.

Very Similar concerns were reported by Massimo Guerrero regarding YPN Challenge where an on-line assignment was presented and proposed regarding experimental dataset (UVP).

Massimo Guerrero reported that the proposal of a special session on “Surrogate techniques for sediment transport” at IAHR World in Singapore collected 4 possible participants/speakers, so far. Michael Nones and Slaven Conevski suggested to broad a bit the range of possible applications from rivers to lake and the coastal area that should eventually augment the number of possible speakers.

Manousos Valyrakis reported that Special Issue on “Turbulence and transport measurements” was submitted for the consideration of the Editors of Acta Geophysica. They are in agreement with setting this up, but they would share more material after they had discussed with the publisher. Massimo Guerrero suggested if this would not work with them to eventually move the proposal to IAHR journals.

Rui Ferreira discussed previous talks with Manousos Valyrakis (MV) about bringing to River Flow 2026 (whose main organizer is MV: <https://riverflow2026.web.auth.gr>) an EMI side event. The event might be about showcasing different types of in-house software and hardware to promote innovative and cost-effective solutions and may benefit from the hydraulic facilities of the Aristotle University of Thessaloniki.

4. Summary of decisions taken

End September, Manousos Valyrakis will write to communicate about the decision from Acta Geophysica Editor/Publisher about proposed special issue “Recent advances in turbulence and transport measurements and instrumentation in earth surface sciences and hydro-environment engineering”.

Michael Nones/Slaven Conevski will finalize and submit the special session proposal to IAHR World Congress 2025 in Singapore by end of September.

Rui Aleixo will communicate about advancement in the organization of the W.A.T.E.R. Summer School 9th edition in Gdansk, Poland, as soon as a final agreement will be fixed with local staff at IBW-PAN.

25th September 2024

Massimo Guerrero, EMI Chair



Margaret Chen, EMI Vice-Chair

Rui M.L. Ferreira, EMI Past Chair

All participants reviewed the minutes and agreed with its content.

Annex: list of participants to the meeting

LT members

Rui Aleixo

Marie Burckbuchler

Slaven Conevski

Rui Ferreira, EMI Past-Chair

Massimo Guerrero, EMI Chair

Michael Nones

Ana M. Ricardo

Manousos Valyrakis

Tais Yamasaki