

IAHR Applied Hydrology Working Group

Scope of Research

November 2007

In 2006 it has been proposed that IAHR create a new technical group dedicated to hydrological issues.

This new Working Group will focus on the civil and environmental engineering aspects of hydrology, and will serve as a link between hydraulic engineering and the wider hydrological community. The IAHR Strategic Plan approved at the Seoul General Members Assembly in 2005 explicitly identifies the need for water specialists to adopt a more inter-disciplinary approach to our activities, and hydraulics and hydrology, in particular, are highly synergistic.

A preliminary discussion took place in Venice, and there was consensus for starting such a group. The results of the discussion are summarised as follows:

Working Group Name: It was agreed to call the group “**Applied Hydrology**” (WG AH)

Chairman: IAHR Vice President Prof. Nobuyuki Tamai invited Prof. Roberto Ranzi to act as first Chairman. At the final General Member Assembly outgoing President Mansard announced the formation of the Applied Hydrology Working Group and invited Prof. Roberto Ranzi, to be first Chairman. He accepted this invitation and submitted his CV to the IAHR Council for a final decision

Secretary: candidates were solicited for this post. Two candidates offered for this duty by sending their CVs for the final decision of the IAHR Council. Council approved Prof Roberto Ranzi as Chair of the Working Group, Prof Kai Uwe Graw as Vice Chair, and Prof Boosik Kang as Secretary.

Goals:

The group will have the following initial goals:

- To provide a focus within IAHR on the needs of engineering hydrologists
- To act as a link with the wider hydrological community and to bridge the gap between theoretical advancement in hydrology (with a focus on surface hydrology) and engineering applications.
- To promote hydrological data exchange on experimental basins and model intercomparison.
- To contribute to plan and co-ordinate a more extended programme on specific hydrology topics in future IAHR Biennial Congresses.
- To collaborate with other international bodies such as WMO, IAHS, UNESCO to plan research initiatives and jointly organize conferences or workshops of relevance for hydrology from the perspective of water engineering applications.

Workplan 2007-2009

- extend the list of participants to the WG-AH
-
- Seek to organise a Workshop, on (provisionally) “*Climate change impact on the hydrological cycle and engineering design* ” possibly in cooperation with other organizations such as IAHS, WMO, or UNESCO/IHP, and likely in Italy
- contribute to planning a more extended programme on specific hydrological topics within the 33rd IAHR Congress, Vancouver 10-14 August 2009. (deadline mid 2008)
- contribute to initiatives of IAHR and other Institutions for which our support will be requested.

From the outset the Working Group aims to collaborate, on a horizontal level, with existing associations and other IAHR sections rather than overlap with them on a vertical level.

Roberto Ranzi
Working Group Chairman

Address:

Prof. Ing. Roberto RANZI, PhD

Professor of Hydraulic Structures and Hydrometeorological Monitoring Systems
DICATA-Department of Civil Engineering, Architecture, Land and Environment

Universita' di Brescia

Via Branze 43

I-25123 BRESCIA (ITALY)

Phone: +39 +0303711291

Fax: +39 +0303711312

E-mail ranzi@ing.unibs.it

<http://dicata.ing.unibs.it/ranzi>