



# INTERNATIONAL ASSOCIATION FOR HYDRAULIC RESEARCH

## IAHR DIVISION II – SECTION 1: HYDRAULIC MACHINERY AND SYSTEMS

EXECUTIVE COMMITTEE  
OCTOBER 19, 2006 – YOKOHAMA, JAPAN

### AGENDA PROPOSAL

- 1 OPENING BY SECTION CHAIRMAN**
- 2 MINUTES OF THE LAST EXECUTIVE COMMITTEE MEETING**  
Minutes of the Stockholm Meeting
- 3 23<sup>RD</sup> SYMPOSIUM IN YOKOHAMA**  
Report by Professor Junichi Kurokawa, Chairman of the 23<sup>rd</sup> Symposium Organizing Committee.
- 4 MEMBERS OF THE SECTION EXECUTIVE COMMITTEE**  
Resignation and Nomination.
- 5 REPORTS FROM THE WORKING GROUP ON CAVITATION AND DYNAMIC PROBLEMS**  
Report by Dr.-Ing. Albert Ruprecht, Chairman of the Working Group
- 6 CONTRIBUTIONS TO THE IAHR JOURNAL**  
Special Issue on Hydraulic Machinery and Systems
- 7 24<sup>TH</sup> SYMPOSIUM IN BRAZIL**  
Introduction of the Organizing Committee (Prof. Tiago Filho and Prof. )
- 8 25<sup>TH</sup> SYMPOSIUM IN ROMANIA**  
Status
- 9 32<sup>ND</sup> BIENNIAL IAHR CONGRESS IN VENICE, ITALY, JULY 1-6, 2007**
- 10 ACTIVITIES OF THE SECTION**
- 11 MEMBERSHIP PROMOTION**

## B) ATTENDEES

<b>Name</b>	<b>Affiliation/Country</b>
Prof. Francois Avellan (Chairman)	EPFL, Lausanne, Switzerland,
Prof. Eduard Egusquiza (Secretary)	UPC Barcelona, Spain,
Prof. Hermod Brekke	Consultant, Trondheim, Norway,
Mr. Normand Desy	GE Hydro, Canada,
Mr. Richard K. Fisher	Voith Hydro Inc., USA,
Prof. Junichi Kurokawa	Yokohama National University, Japan,
Prof. Hiroshi Tsukamoto	(Repl. Prof. Kurokawa),
Prof. Romeo Resiga	University of Timisoara, Romania,
Prof. Albert Ruprecht	Uni. of Technology, Stuttgart, Germany,
Mr. Ulf Wollström	Vattenfall, Sweden
Mr. Niklas Dahlbäck	Vatenfall Sweden Replacing Mr Wolström
Mr. Qing-Hua Shi	Dong Fong Electrical Machinery P.R. China
Prof. Aleksandar Gajic	University of Belgrade, Serbia
Mr Michel Couston	Alstom e (France)
Prof. Geraldo Tiago	Itajubá Federal University Brazil
Prof Alfonso Morfeira	(Brasil)

## **C) MINUTES OF THE MEETING**

### **1 OPENING**

- The meeting was opened at 4PM by the Chairman, Prof. Avellan.

#### **Agenda**

The agenda (see above) was handed out by the Chairman and agreed upon by the attendees.

### **2 MINUTES OF PREVIOUS EC-MEETING**

The minutes of the last meeting held on June 29, 2004 in Stockholm, Sweden, were adopted without modification.

All planned activities were carried out

### **3 23<sup>RD</sup> SYMPOSIUM IN YOKOHAMA**

Mr. Kurokawa the Chairman of the Organizing Committee, outlined the details of the Symposium's organization, publications and registrations. (See attached report)

The papers and other information are issued in a CD.

On behalf of the EC, Prof. Avellan thanked the organizers for their efforts and the time spent for the preparation of the conference.

The facilities have been excellent (rooms, computers, meals). A very good organization and collaboration between all people involved in the meeting has been noticed. Many industrial companies have been supporting the event.

### **4 MEMBERS OF SECTION EXECUTIVE COMMITTEE**

Prof François Avellan, Chairman, (Switzerland).

Prof Eduard Egusquiza, Secretary, (Spain).

Mr Torbjorn Nielsen, (Sweden)

Prof José Cataldo (Uruguay)

Mr Normand Desy (Canada)

Mr Richard K. Fisher (USA)

Prof Aleksandar Gajic (Serbia)

Mr Michel Couston (France)  
Mr Qing-Hua Shi (China)  
Prof Romeo Resiga (Romania)  
Prof Albert Ruprecht (Germany)  
Mr Nicklass Dahlbäck (Sweden)  
Prof Hiroshi Tsukamoto (Japan)

New members are:

Prof. Geraldo Tiago from Brasil.  
Mr Fidel Arzola (Venezuela)

## **5 REPORTS FROM WORKING GROUPS**

**Working Group No. 1: Cavitation and Dynamic problems  
on hydraulic machinery and systems.  
Coordinator: Professor A.Ruprecht**

A Working Group meeting was held in Barcelona on 28-30 June 2006 host by Prof. Eduard Egusquiza with the collaboration of Voith Siemens Hydro and Endesa.

Prof Albert Ruprecht reports on that event

Next meeting will be held in Timisoara (Romania) by the late 2007 or early 2008

## **6 CONTRIBUTION TO THE IAHR JOURNAL**

After discussion with IAHR body and the editors of the JHR, a special issue in electronic format with the best papers of each symposium will be published. !

In the first issue, papers from the Lausanne, Stockholm and Yokohama Symposia will be included. The papers will be selected by each organizing committee and, after informing the executive committee, sent back to the authors to be revised, polished and adapted to the JHR publication standards.

The papers selected by each organizing committee will be send to the executive committee for a final revision

## **7 24<sup>TH</sup> SYMPOSIUM**

The 24<sup>th</sup> Symposium will be held in Brazil.

Prof. Alfonso Santos will be the chairman of the organizing committee. He comments that the venue is expected to be in Foz d'Iguazu near the famous Itaipu waterfalls. Brasil has a good hydro potential and many hydropower companies will be interested in the event. It is expected that several latin-american countries will collaborate in the organization of the congress.

One of the aims of this symposium is to enhanced hydraulic machinery in South America. Mini hydropower and ocean energy will be included into the topics of the conference. A large promotion in the pump industry will also be done. The organization of highly specialized mini-workshops will be contemplated.

Taking into account that it is possible to publish the best papers in a special issue of the JHR journal (indexed journal) the event will attract also academic people and should be promoted among universities.

The proposal is accepted by the committee

## **8 25<sup>TH</sup> SYMPOSIUM IN ROMANIA**

Prof. Romeo Resiga proposes the organization of the next working group meeting in Timisoara (Romania).

The proposal is accepted

He also offers to organize the 2010 proposal symposium

## **9 32<sup>ND</sup> IAHR CONGRESS, VENICE**

Prof François Avellan will attend the conference on behalf of the section.

*New working  
Group*

## **10 ACTIVITIES OF THE SECTION**

Prof Eduard Egusquiza organized the seminar "Renewable energy: wave or tidal" during the main IAHR Symposium in Korea on September 2005.

Several invited speakers presented papers in this seminar representing China, Korea, France, UK and Canada

The first paper presented by the IAHR chairman Prof Etienne Mansard showed a discussion on wave and tidal energy technologies. All the other papers focused on tidal energy. One paper showed the status of exploiting tidal energy in China. Three papers from Korea showed actual developments of conventional tidal (Shiwa) and of marine current (Uldolmok) units that are being build up in Korea. After that, the development of a tidal energy (marine current) in Wales, as well as the on-going R&D activities on Tidal Current in the French Hydropower company EDF were presented.

Finally a general discussion about the topic was held in the room.

Due to the growing interest of this field and after some recommendation from the main IAHR Body the possibility to create a working group on that topic will be analysed by Eduard Egusquiza

## **11 MEMBERSHIP PROMOTION**

Some activities are planned by François Avellan with the collaboration of other members to enhance membership promotion in Africa and India.

## **12 ADJOURNMENT**

The meeting was closed at 6 PM