

BIENNIAL REPORT

A. Division name: IAHR Hydro-Environment

Committee name: Committee on Coastal and Maritime Hydraulics

Reporting period: June 2009 – June 2011

B. Mission statement / Long range objective

To deal with all aspects of offshore, coastal, and estuarine hydraulics pertaining to: natural processes, fluid interaction with structures, environmental impact, and shoreline erosion management. Its activity focuses on topics such as: waves and currents, effect of boundaries, sedimentation and coastal morphology, sea level change, relevant environmental issues.

C. Committee Membership

1. Number of committee membership:

Primary affiliation: 642

2. Leadership Team:

Chair

Constantine Memos

Professor

School of Civil Engineering, National Technical University of Athens,
Athens, GREECE

Tel: +30-210-7722851, Fax +30 210 772 2853, e-mail:memos@hydro.ntua.gr

Vice Chair

Francisco Taveira Pinto

Full Professor

Hydraulics and Water Resources Institute, Faculty Engineering, University of Porto
Rua Dr. Roberto Frias, 4200-465, Porto, PORTUGAL

e-mail: fpinto@fe.up.pt

Members

Gary P. Mocke

Manager, Coastal Science & Engineering

Asia & Middle East (AME) Region

Worley Parsons Infrastructure & Environment

Muscat, Sultanate of Oman

Tel. +968 24473536, Fax: +968 244 83908, M: +968 998 58682

Email: gary.mocke@worleyparsons.com

E.h. V. Sundar

Professor

Department of Ocean Engineering,

I.I.T. Madras, Chennai 600 036, INDIA

Phone: +91 44 2257 4801/0/9, Fax: +91 44 2257 4802, email: vsundar@iitm.ac.in

Hitoshi Tanaka

Professor
Department of Civil Engineering
Tohoku University
Sendai, Japan
E-mail: tanaka@tsunami2.civil.tohoku.ac.jp

Damien Violeau

EDF R&D / LNHE
Ouvrage eau Environment
6 quai Watier, F-78400 Chatou, FRANCE
Tel: +33 1 3087 7831, Fax: +33 1 30 87 8086, E-mail: damien.violeau@edf.fr

Pengzhi Lin

Chang Jiang Scholars Professor
State Key Laboratory of Hydraulics and
Mountain River Engineering
Sichuan University
24, South Committee 1,
Yihuan Road, Chengdu, Sichuan, 610065 P.R.China
Tel: +86-28-85403116, E-mail: cvelinpz@126.com

See-Whan Kang

Professor
Chonbuk National University, Korea
Jeonju-City, Jeonbuk,
561-756 South Korea
Tlf. +82-63-2702098, E-mail: swkang@kordi.re.kr

Panayotis Prinos (co-opted member)

Professor
Aristotle University of Thessaloniki
Hydraulics Lab., Dept. of Civil Engineering,
GR-54124 Thessaloniki, Greece
Tel: +30 2310 99 5689, Fax: +30 2310 99 5672, E-mail: prinosp@civil.auth.gr

3. Name and composition of Working Groups**WG2 Marine Renewable Energy (MRE)**

Albert Ruprecht (Chair)
Martin Wosnik
Michael Tarbotton
Ivo Pothof
Stefan Schimmels
Raphael Arlitt
Damien Violeau
Roger Falconer
Mahmood Naghash
Christopher George

WG3 Composite Modelling (CM)

James Sutherland (Chair)

Karim Rakha
Mete Koken
Blake Tullis
Steven Barfuss
Didier Bousmar
Petr Bouska
Adam Vizina
Stefan Schimmels
Simone van Schijndel
William Raven
Gary Mocke
Francisco Taveira Pinto
Constantine Memos

WG4 Beach Drainage (BD)

Diego Vicinanza
Paolo Ciavola
Trevor Richards
Ian Turner

Other Working Groups were set up to analyze the impacts of sea level change; examine the feasibility of multi-purpose reefs; study refined wave modelling. No significant activity is reported.

D. Affiliation with other professional associations

Affiliation with international programmes

IAHR|IWA Joint Committee on Marine Outfall Systems
Constantine Memos (representing CCMH)

E. Report on activities in reporting period

1. Committee meetings

33rd IAHR World Congress – Vancouver, August, 2009 – Minutes Available

2. Specialty conferences

- Activities related to World Congress and Division Congress

CoastLab2010, September/October 2010, Barcelona, Spain

1st European Division Congress – May 2010, Edinburgh, Scotland

Arabian Coast Conference 2010, Sultan Qaboos University, Oman.

International Workshop on Geo-Synthetics and modern materials in coastal protection and related applications; 6-7 August 2010, Madras, Chennai, India – Report available.

International Symposium on Outfall Systems, Mar del Plata, Argentina, 15-18 May, 2011 (in co-operation with IWA)

3. (Continuing) education activities

Workshops, training seminars, courses, etc.

3rd CoastLab Course, September 2009, Porto, Portugal

4. Working Group meetings and output

WG2 – Meeting during the 1st European Division Congress, May 2010, Edinburgh, Scotland – Minutes available.

5. Publications: proceedings; papers for IAHR Journals; state-of-the-art papers; Monographs; books
 - CoastLab2008, Bari, Italy, Book of Abstracts and Proceedings.
 - JHR Special Issue on Maritime and Coastal Hydraulics
 - CoastLab2010, Barcelona, Spain, Book of Abstracts.
6. Contacts with other organizations
 - Contacts with COPRI of ASCE to organize a parallel event during Brisbane 2011.
7. Other activities.
 - Review of papers for Brisbane Congress.
 - Newsletters #2 and #3 were published. Newsletter #4 is under preparation.
 - Co-operation with the Executive Director in numerous items, such as sponsoring events by IAHR, etc.

F. Short range plans (1 to 2 years)

- Specialty conferences
 - CoastLab2012, September 2012, Gent, Belgium
 - 2nd European Division Congress – June 2012, Munique, Germany
- Activities related to next IAHR World Congress
 - WG3 meeting during 34th IAHR Conference.
 - Increase the level of Coastal Issues presented during 35th IAHR World Congress with special sessions about WG subjects.
- (continuing) education activities
 - 4th CoastLab Course, January 2012, Porto, Portugal
- Working group activities
 - Meetings planned for the 2nd IAHR Europe Congress in Munich.
- Publications
 - CoastLab2010, Barcelona, Spain, Proceedings.
 - CoastLab2012, Gent, Belgium, Book of Abstracts.
- Contacts with other organizations
 - Contacts with COPRI to organize a parallel event during Chengdu 2013 and/or Hague 2015 IAHR World Congresses.
- Other activities.
 - Newsletters #5, #6 and #7.

Remarks