



Second Announcement

**7<sup>th</sup> International Conference on  
Nearshore and Estuarine Cohesive  
Sediment Transport Processes**

**October 1-4, 2003**



**Sponsors**

**Hohai University**, Nanjing, China

**Hydroqual, Inc.**, New Jersey, USA

**International Association of Hydraulic  
engineering and Research**, Spain

**Korea Ocean Research and  
Development Institute**, Ansan,  
Korea

**National Cheng-Kung University**,  
Tainan, Taiwan.

**Conference Theme**

The fate of cohesive sediments is an important environmental issue because electrostatic charges on cohesive particle surfaces tend to easily attract contaminants, thereby making such particles contaminant carriers. Even “clean” cohesive sediments can cause environmental concerns such as when high suspended sediment concentration blocks sunlight for photosynthesis.

The need to carry out field observations and laboratory studies on cohesive sediment transport is widely recognized, and the results of past studies have provided useful information for carrying out numerical simulations of, for instance, important estuarine phenomena such of cohesive sediment transport requires as the turbidity maximum. Yet, the complexity considerable further effort to fully address the broad range of modeling questions related to particle-bound contaminant transport in the estuarine as well as the open coast environments.

The INTERCOH conference series initiated by Prof. A. J. Mehta is an international platform where scientists and engineers worldwide can meet and exchange experiences to develop a better understanding of the transport of fine-grained sediments.

**Conference Scope**

INTERCOH 2003 welcomes all study topics related to the transport of fine sediments. The following is a list of some of the relevant topic areas:

- Physical processes related to erosion, transport, flocculation, deposition, particle interactions, and consolidation of fine sediments.
- Field and laboratory studies on the above mentioned processes.
- Field measurements of turbulent structure affecting the distribution of suspended fine sediments.
- Numerical modeling of the transport of fine sediments including prediction of turbidity maxima.
- Benthic boundary layer processes.
- Wave resuspension at shallow waters.
- Disturbance of bottom sediment and its redistribution by dredging activity.
- Quantitative description of the impact of biological and geomorphological processes affecting fine sediment transport.

**Conference Location**

The conference will be held at the Virginia Institute of Marine Science (VIMS), School of Marine Science, College of William and Mary, Gloucester Point, Virginia, U.S.A.

## Call for Abstracts and Schedule

- June, 2002: First announcement of the conference, notification to conference secretary of your interest to participate in the conference.
- March 2003: Submission of abstracts in (1) Microsoft Word (by email) or (2) PDF format (by email), or (3) five hard-copies not longer than two-pages (by mail) to the conference secretary at the Virginia Institute of Marine Science by March 31, 2003.
- May 2003: Notification of acceptance of abstracts.
- June, 2003: Announcement (by email) the conference program.
- July 31, 2003: Close of pre-registration.
- Oct. 1, 2003: start of conference.
- Nov. 15, 2003: Submission of manuscripts for peer review.

## Conference Costs

Registration fee and hotel accommodation cost will be announced on the web site in early 2003

## Conference Proceedings

The participants will receive a copy of the Book of Abstracts at the conference. Submitted full manuscripts will be peer reviewed and published by Elsevier as one of the **Proceedings in Marine Science** series.

## Web Site

Details of the conference program, hotel accommodation, local transportation and air transportation will be available through the site: <http://www.vims.edu/intercoh/>

## International Steering Committee

Mr. Michael Dearnley, HR Wallingford, UK.  
Dr. Pierre Le Hir, IFREMER, France.  
Dr. Tetsuya Kusuda, Kyushu Univ., Japan.  
Dr. Dong-Young Lee, KORDI, Korea.  
Dr. Jerome P.-Y. Maa, Virginia Institute of Marine Science, USA.  
Dr. William McAnally, USACE Coastal and Hydraulics Lab., USA.  
Dr. Ashish J. Mehta, Univ. of Florida, USA.  
Dr. W. Reginald Parker, Blackdown Consultants, UK.  
Dr. Han Winterwerp, Delft Hydraulics, The Netherlands.  
Prof. Kei Yan, Hohai University, China.

## International Scientific Committee

Dr. Wilbert Lick, University of California, Santa Barbara, USA.  
Dr. Jerome P.-Y. Maa, Virginia Institute of Marine Science, USA.  
Dr. William McAnally, USACE Coastal and Hydraulics Lab., USA.  
Dr. A.J. Mehta, University of Florida, USA.  
Dr. Han Winterwerp, Delft Hydraulics, The Netherlands.

## Organizing Committee

The conference will be organized by the Virginia Institute of Marine Science, School of Marine Science, College of William and Mary, Gloucester Point, Virginia, USA.

The committee consists of :

Dr. L. Donald Wright, Dean and Director of the Virginia Institute of Marine Science, USA, Chair.  
Dr. Jerome P.-Y. Maa, Virginia Institute of Marine Science, USA.  
Dr. Lawrence P. Sanford, Horn Point Lab., Center for Environmental Science, Univ. of Maryland, USA.  
Dr. David Schoellhamer, U.S. Geological Survey, Sacramento, CA, USA  
Dr. William McAnally, USACE, Coastal and Hydraulics Lab., USA.  
Dr. Pravi Shrestha, Ph.D., P.E. Senior Project Manager HydroQual, Inc.

## Conference Secretary

Dr. Jerome P.-Y. Maa [maa@vims.edu](mailto:maa@vims.edu)  
Tel: 804-684-7270; fax: 804-684-7250

Ms. Beth Marshall [marshall@vims.edu](mailto:marshall@vims.edu)  
Tel: 804-684-7275; fax: 804-684-7250

Ms. Cindy Hornsby [Cindy@vims.edu](mailto:Cindy@vims.edu)  
Tel: 804-684-7211; fax: 804-684-7195

Mailing address:  
Rt. 1208, Greate Road,  
Virginia Institute of Marine Science  
Gloucester Point, VA 23062, USA