



International Conference on **Violent Flows 2007**

20-22 November 2007 in Fukuoka, Japan

INTERNATIONAL CONFERENCE ON VIOLENT FLOWS (VF-2007)

<http://www.riam.kyushu-u.ac.jp/ship/VF2007/>

Date: 20th-22nd November 2007
Place: Fukuoka International Congress Center, Fukuoka, Japan
Organized by: Research Institute for Applied Mechanics, Kyushu University
Supported by: Japan Society of Naval Architects and Ocean Engineers

Conference Objectives:

With the advent of high performance computers and new technologies in computation and experiment, research on strongly nonlinear hydrodynamics is currently attracting much attention and a large amount of work is being carried out. For example, in naval architecture and ocean engineering, slamming, green-water impact on deck, sloshing etc. are typical examples of strongly nonlinear phenomena of engineering importance, and great advances in these fields can be expected. The Research Institute for Applied Mechanics (RIAM) of Kyushu University has been organizing over the last few years a series of RIAM Symposia on strongly nonlinear flows around moving boundaries, in which researchers from various disciplines, such as mechanical, nuclear, civil, aeronautical, and ocean engineering, are exchanging information on recent developments. As an extension from this RIAM Symposium, the International Conference on Violent Flows (VF-2007) will be held in Fukuoka in November 2007. The organizing committee hopes that the VF-2007 Conference will provide a good forum for discussing the latest achievements and stimulating further progress in research on strongly nonlinear hydrodynamics.

Topics:

Technical papers containing new and original ideas and achievements in various disciplines associated with violent flows are invited. The topics of concern in the Conference are such as:

- Nonlinear body motions in waves
- Green water on deck, wave impact
- Slamming, whipping, springing
- Sloshing
- Tsunamis, freak waves
- Wave breaking, air entrainment
- Multi-phase flow, stratified flow
- Interactions of fluid and deformable structures
- Nonlinear problems in coastal engineering
- Large geomaterial deformations
- Frontier experiments
- CFD validation and verification

Call for Papers:

Papers are welcome on the topics indicated above and others falling within the scope of the Conference. Abstracts should be submitted by email to the Secretariat by 31st March 2007, which should be of around 300 words in length, and must include the title of the proposed paper, authors' full names and affiliations, and the full contact details of the corresponding author with fax and email address. The proceedings of the Conference will be published in a book and will be available to participants during the Conference. After the Conference, a selection from the papers presented at the Conference will be made, for proposed publication in a Special Issue of the Journal of Applied Ocean Research.

Venue:

The VF-2007 Conference will be held on 20th-22nd November 2007 at the Fukuoka International Congress Center in Fukuoka, Japan. This Congress Center is located conveniently in the heart of Fukuoka City and close to Fukuoka International Airport.

Important Dates:

Receipt of abstracts	31 March 2007
Notification of acceptance	30 April 2007
Early registration	31 July 2007
Receipt of full length papers	10 September 2007

Conference Fee:

Early registration, before 31 July 2007	30,000 Yen
Late registration, after 31 July 2007	35,000 Yen
Accompanying persons	15,000 Yen
Students	5,000 Yen

The Conference fee for authors and participants includes the conference proceedings and a CD, attendance at all technical sessions, lunches and refreshments, reception, and conference banquet. The Conference fee for accompanying persons includes the reception and conference banquet. In addition to these, a special program may be arranged for accompanying persons: the details will be determined depending on the number of accompanying persons who wish to participate. In the Conference fee for students, the conference banquet is not included.

International Scientific Committee:

Prof. T. Aoki (Tokyo Institute of Technology, Japan)
Dr. U. Bulgarelli (INSEAN, Italy)
Prof. H. S. Choi (Seoul National University, Korea)
Prof. G. Clauss (Technical University of Berlin, Germany)
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Dr. Y. Wu (China Ship Scientific Research Center, China)
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Prof. R. W. Yeung (University of California at Berkeley, USA)
Prof. D. K. Yue (Massachusetts Institute of Technology, USA)

Local Organizing Committee:

Prof. M. Kashiwagi (RIAM of Kyushu University, Japan, Chairman)
Prof. C.-H. Hu (RIAM of Kyushu University, Japan)
Dr. M. Sueyoshi (RIAM of Kyushu University, Japan)

Conference Secretariat:

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