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ANNOUNCEMENTS

2ND INTERNATIONAL CONFERENCE ON HYDROELASTICITY IN MARINE TECHNOLOGY

Fukuoka, Japan 1–3, December 1998

Background and Aims

Hydroelasticity is of concern in various areas of marine technology such as:

- High speed vessels
- Large-scale floating structures such as floating airports, floating bridges and buoyant tunnels
- Risers
- Cable systems and umbilicals for remotely operated or tethered underwater vehicles
- Seismic cable systems
- Flexible containers for water transport, oil spill recovery and other purposes

Analysis for design of such structures or systems necessitates integration of hydrodynamics and structural mechanics; hydroelasticity plays the key role. There has been significant recent progress in research into hydroeleastic phenomena, and the topic of hydroelasticity is of considerable current interest. In order to promote further progress in this area, we have decided to organize the Second International Conference on Hydroelasticity in Marine Technology. This follows the very successful "First" Symposium held in Trondheim, Norway in 1994.

The aim of this second conference is to provide a forum for engineers and scientists to discuss recent developments in hydroelasticity. It is also to stimulate the exchange of ideas and information between various disciplines in science and engineering, in particular marine hydrodynamics, structural mechanics and control technology.

It is intended that a selection of papers from the conference will be published as a Special Issue of the Journal of Fluids and Structures.

Preliminary Session Topics

- Analytical and numerical methods
- Techniques for laboratory and in-service investigations.
- Stochastic methods
- Vibration of floating airports and other floating structures
- Slamming, whipping and springing of conventional ships and high-speed vessels
- Ringing and springing of tension leg platforms and deep water gravity-based platforms
- Position control of tethered vehicles

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- Cable systems, mooring lines and umbilicals
- Risers and pipelines
- Control of seismic cables
- Skirt and bag systems of Surface Effect Ships
- Behavior of flexible containers
- Oil fence
- Experience from engineering and aeronautical engineering

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