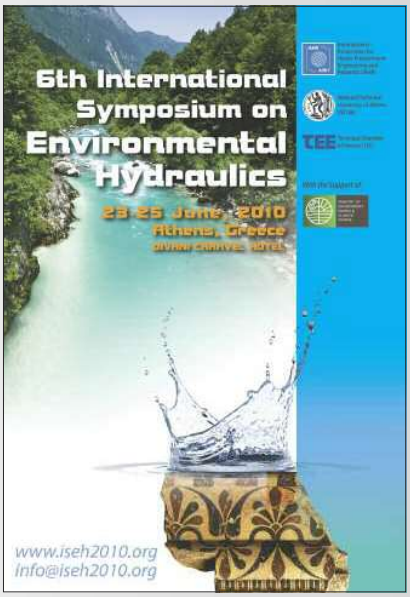
6TH INTERNATIONAL SYMPOSIUM ON ENVIRONMENTAL HYDRAULICS Athens, Greece, 23-25 June 2010

The 6th International Symposium on Environmental Hydraulics was organized by the National Technical University of Athens under the auspices of the International Association for Hydro-Environment Engineer and Research (IAHR), with the support of the Technical Chamber of Greece and the Ministry of Environment, Energy and Climate Change. It was the first time that the Symposium was held in Europe, following a successful series of previous venues in Hong Kong (1991, 1998, 2004) and Tempe, Arizona (2001, 2007).



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The field of Environmental Hydraulics has expanded considerably over the last two decades, because of the growing concern over water environmental issues associated with pollution and water balance problems on a regional and global scale, which require a thorough understanding of processes related to environmental flows and transport phenomena and the development of new approaches for practical solutions. The 6th ISEH drew contributions concerning development and applications of up-to-date theoretical, computational or experimental tools in a wide range of topics, as outlined below.

- Fundamentals of Environmental Fluid Mechanics (Environmental turbulence, mass transport, mixing and dispersion processes; Jets and plumes; Stratified flows).
- Environmental Hydraulics of Inland Waters (Lakes and reservoirs, rivers and estuaries, transboundary pollution).
- Environmental Hydraulics of Coastal Waters (Nearshore processes, lagoons and coastal embayments, sea outfalls, oil slicks).
- Environmental Hydraulics of Groundwater (Groundwater pollution, groundwater remediation, saltwater intrusion).
- Interface Processes (Air-water interface, sediment- surface water interactions).
- Computational Techniques.
- Field Measurements and Experimental Techniques.
- Urban Hydrosystems (Pollution in urban networks, hydrodynamics of treatment plant units).
- Ecological Aspects.
- Environmental Hydraulics and Global Climate Change.

About 300 abstracts were originally submitted and after preliminary selection full papers were reviewed by well-known experts, members of the International and local Scientific Committees. The final program included about 190 accepted oral presentations, arranged in four parallel sessions, and 5 invited keynote lectures. The 3-day program was attended by over 200 participants from 30 countries. According to the responses to the questionnaire distributed during the last day, the organization and technical program was rated as very good to excellent. Parallel to the Symposium, the first IAHR Summit meeting of invited experts from around the world was held on June 24, on the subject of Global Water Security.

The 6th ISEH Proceedings were published in a two-volume set by Taylor & Francis/ Balkema and are available worldwide through the publisher. The Proceedings are dedicated to the memory of Gerhard H. Jirka, a pioneer in Environmental Hydraulics, whose sudden loss prevented his presence as an invited speaker in the Symposium.

Further information about the program of the symposium, photos from the opening and the dinner, and other details are available at www.iseh2010.org