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CEDEX

3rd IAHR Europe Congress

Water - Engineering and Research

First Announcement

14-16 April, 2014

Faculty of Engineering of the University of Porto
Porto, Portugal

<http://www.fe.up.pt/iahr2014>



Universidade do Porto
FEUP Faculdade de Engenharia



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TÉCNICO



THE CONGRESS

On behalf of IAHR Europe Committee, the LOC warmly invites you to participate in the 3rd IAHR Europe Congress at FEUP, Porto, Portugal, from April 14th through 16th 2014. With our fresh and innovative congress concept we want to welcome researchers as well as practitioners. To encourage the exchange of ideas we will offer panel discussions and workshops — but we also welcome your own ideas! The IAHR Europe Congress will also provide excellent support for social networking by planning cultural and social events during your stay in Porto.



WELCOME TO PORTO, A WORLD HERITAGE

The Portuguese northern city of Porto is the second largest city in the country and was elected the "Best European Destination 2012". It was in Porto that the independent Portugal was born in the twelfth century. The city lies on the right bank of the Douro River and the historic centre was awarded UNESCO World Heritage, in 1996, due to its numerous medieval, baroque, neoclassic churches and palaces. But it is in the narrower streets where the unique atmosphere of the old Porto is to be found, where cultural heritage is an everyday fact of life. In addition, the surrounding region is of major industrial and commercial importance, noted for its textiles, shoes, furniture and jewellery, known for its cuisine, wines and the unique combination of tradition and modernity. Porto is also internationally known for exporting the famous Port wine. Looking further ahead in 2014, congress participants will meet a Porto that offers a variety of resources and historic authenticity to its visitors. Experience a perfect combination of tradition and modernity and enjoy the unique atmosphere of Porto attending the 3rd IAHR Europe Congress 2014!



CONGRESS THEMES

THEME A: Hydro-Environment and Eco-hydraulics

A1 Fluid Mechanics • A2 Environmental hydraulics • A3 Eco-hydrology and eco-hydraulics • A4 Restoration and environmental management of waters • A5 Sustainable policy on hydro-environment and eco-hydraulics.

THEME B: Maritime Hydraulics and Coastal Engineering

B1 Coastal and estuarine hydrodynamics • B2 Coastal and estuarine processes and morphology • B3 Coastal and offshore structures • B4 Coastal protection and restoration • B5 Marine renewable energy • B6 Physical and numerical modeling.

THEME C: Sustainable Water Resources and Hydraulic Engineering

C1 Surface and groundwater hydraulics and hydrology • C2 Sediment transport and fluvial processes • C3 Integrated drainage and flood resilient cities • C4 Water pressure systems • C5 Hydraulic structures • C6 Hybrid energy systems • C7 Computational hydraulics and applications • C8 Sustainable water management.

THEME D: Uncertainty, Extremes and Climate Change

D1 Adaptation to climate change and uncertainty on design criteria • D2 Climate change and water management • D3 Prediction and management of floods and droughts • D4 Extreme events and disasters related to water • D5 Uncertainty and risk assessment methods • D6 Risk informed design of water system.



SPECIAL THEMATIC WORKSHOPS

Special thematic workshops, oriented towards the promising innovative activities of young researchers, possibly managed by themselves under the supervision of convenors, within the context of the congress themes, will be organized. These special workshops, in limited number, would be run in parallel with the normal sessions of the Congress.

New Visions on Sediment Transport

Aronne Armanini (Univ. degli Studi di Trento, Italy)

Climate Change Impacts on Hydraulics and Water Resources

Roberto Ranzi (Univ. degli Studi di Brescia, Italy)

Advanced Numerical Methods in Morphodynamics

Pilar Garcia-Navarro (Univ. de Zaragoza, Spain)

Resistance to Flow, Diffusion and Morphology in Vegetated Channels

Vladimir Nikora (Univ. of Aberdeen, UK)

Marine Energy

Martin Wosnik (Univ. of New Hampshire, USA)

Medium to Long-term Coastal Evolution

To be defined

Advanced Pressure Transient Analysis

Helena Ramos e DÍdia Covas (Univ. Técnica de Lisboa, Instituto Superior Técnico, Portugal)

LOCAL ORGANISING COMMITTEE

António Betâmio de Almeida (Univ. Técnica de Lisboa, Instituto Superior Técnico)
Fernando Veloso Gomes (Univ. Porto, Faculdade de Engenharia)
Francisco Taveira Pinto (Univ. do Porto, Faculdade de Engenharia)
António Heleno Cardoso (Univ. Técnica de Lisboa, Instituto Superior Técnico)

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Francisco Taveira Pinto	Mehmet Ali Kokpinar	Klimovich Vitaly Ivanovich
Peter Rutschmann	Elpida Kolokytha	Pierre Louis Violet

INTERNATIONAL SCIENTIFIC COMMITTEE

To be defined

KEY DATES

Abstract submission opens - 1.Apr.2013
Deadline for abstract submissions - 31.Jul.2013
Notification to authors of abstract acceptance - 9.Oct.2013
Deadline for final paper submissions - 23.Nov.2013
Notification to authors of acceptance for Congress sessions - 15.Jan.2014
Early bird registration closes - 31.Jan.2014

VENUE

Faculty of Engineering of the University of Porto (<http://www.fe.up.pt>)



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