

INTENTION SUBMISSION FORM

International Workshop on Labyrinth and Piano Key Weirs

9-11 February 2011, Liege, Belgium

Title:

First name:

Family name:

Position:

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Please indicate with an « X » any of the following boxes that are applicable:

I intend to submit an abstract by 15 September 2010

I intend to participate to the Workshop on 9-10 February 2011 (Liege, Belgium)

I intend to participate to the technical tour on 11 February 2011 (Limoges, France)

Please email or fax this form to:

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First Announcement & Call for Abstracts

International Workshop on Labyrinth and Piano Key Weirs

Liege, Belgium
9-11 February 2011

Organized by



Université de Liège - Laboratoire
d'Hydraulique des Constructions



Electricité de France – Centre
d'Ingénierie Hydraulique



Ecole Polytechnique Fédérale de
Lausanne – Laboratoire de
Constructions Hydrauliques

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BACKGROUND AND OBJECTIVE

The Piano Key Weir (PKW) is a weir of particular geometry, associating to a labyrinth shape the use of overhangs to reduce the basis length. The PKW could thus be directly placed on a dam crest. Together with its important discharge capacity for low heads (several times the one of a Creager weir), this geometric feature makes the PKW an interesting solution for dams rehabilitation as well as new constructions. However, PKW stays a new type of weir, firstly designed in 2001 and built for the first time in 2006 by EDF.

With several researches and projects on PKW all over the world, this workshop aims at bringing together all the people (engineers, researchers,...) interested in PKW to state and summarize the current knowledge on this still non conventional hydraulic structure. Contributions about labyrinth weirs are also welcome. During the workshop, a period of time will also be dedicated to discuss a single nomenclature to name the varied geometric parameters of a PKW.

The papers selected by the International Scientific Committee and presented during the workshop will be published in a hard cover book after the conference.

The workshop environment is willing to be friendly, co-operative and non-competitive.

MAIN TOPICS (non limitative)

- Physical modeling
 - Model scale experiments
 - Parametric studies
- Numerical modeling
- Economic and structural aspects
- Projects planned/under construction/in operation

CALL FOR ABSTRACTS

Authors are requested to submit an abstract in English (1 page max. 250 words) by e-mail to the workshop secretariat (pk-weirs@ulg.ac.be) by 15 September 2010.

The abstract should include a title, author(s) affiliation(s) and full address (incl. tel., fax and e-mail) of the corresponding author.

Presentations will be selected based on submitted abstracts. Evaluation of abstracts will be carried out by the International Scientific Committee. Authors will be notified of acceptance for presentation and full paper submission no later than 1 October 2010.

PUBLICATION

The accepted abstracts will be included in the workshop documentation.

The full papers (8 pages long) should be submitted not later than 1 December 2010. All full papers will be reviewed by the International Scientific Committee, and authors will be informed of paper acceptance by 10 January 2011. Revised version of the full paper should be received before 4 February 2011. After the reviewing process, accepted full papers will be published in a hard cover book, distributed to all the workshop participants.



PLACE & TRANSPORTATION

The workshop will be held at the University of Liege, Sart Tilman site, the University campus near the town of Liege in Belgium, in the heart of Europe, where the Euregio-Meuse-Rhine axes converge.

There is public transportation available from Brussels by train and bus. For more information about the venue visit <http://www2.ulg.ac.be/acces/plans/>.

PROGRAMME

The working time will be typically 5-6 sessions, with 15 min presentations and 5 min of discussion. A special session will be devoted to the definition of a single nomenclature to name the varied geometric parameters of a PKW. A visit of the Laboratory of Engineering Hydraulics is planned on Wednesday 9 February in the evening. A technical tour is planned on Friday 11 February for visiting PKW on EDF dams around Limoges (France).

LANGUAGE

English and French will be the workshop languages during working sessions. All the written materials (slides of the presentations, abstracts and full papers) will have to be written in English.

REGISTRATION

Participants are expected to make all travel arrangements to/from Belgium/France, and pay for the trip. Lowest possible fees will be charged to cover all the costs during the workshop (accommodation, transportation) and the technical tour (Liege-Limoges trip, accommodation).

Registration and payment details will be made available on the workshop web site.

WEB SITE

Information on the workshop will be given and updated on the following web site:
<http://www.pk-weirs.ulg.ac.be>