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(to be completed)

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Contact us: [pk-weirs@uliege.be](mailto:pk-weirs@uliege.be)



**First Announcement and call for papers**

# 4<sup>th</sup> International Workshop on Labyrinth and Piano Key Weirs

**Atlanta, Georgia, USA**

**Early October 2025**

**(Specific dates forthcoming)**



## BACKGROUND AND OBJECTIVE

Nonlinear weirs are attractive to practitioners as in some cases they provide a hydro-economical solution for new and rehabilitation projects. To academia, they remain a topic of interest due to a combination of the complex flow patterns they generate and the wide range of relevant geometries and application scenarios in rivers, dams, and other water resources applications with research topics including discharge efficiency, aeration, energy dissipation, local scour, driftwood and ice, and flow instabilities. Following three editions held in Europe and Asia (Liège, Belgium in 2011; Paris, France in 2013 and Qui Nhon, Vietnam in 2017), the 4<sup>th</sup> international workshop on Labyrinth and PKW moves to the United States, where several labyrinth and PKW prototypes coexist.

As for the three previous editions, the workshop aims at bringing together people with varied background (engineers, researchers,...) to present and summarize the latest knowledge and developments on these non conventional hydraulic structures. Special emphasis will be put on planned and existing projects, data from real structures operation but also latest research developments.

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

The workshop environment would be friendly, co-operative and non-competitive with a priority on information quality and knowledge exchange.

## MAIN TOPICS (non limitative)

- Hydraulic and structural design
- Existing projects, performance, field data, etc.
- Planned projects
- Recent research and scientific developments
- Physical and numerical modeling
- Future developments

## PLACE & TRANSPORTATION

The workshop will be held in Atlanta (Georgia, USA), a wonderful city in the South-East of the country easily accessible from all around the world.



## PROGRAMME

The workshop will include 2 days of presentations and a one-day technical tour in the Atlanta region, including nonlinear weirs in operation.

## LANGUAGE

English will be the workshop language, for both papers and presentations.

## REGISTRATION

Participants are expected to make all travel arrangements to/from the USA, and pay for the trip.

The workshop registration fees will cover the conference proceedings, the coffee breaks, lunches and dinners during the workshop and one copy of the hard cover book with the full papers.

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

## WEB SITE

Detailed information on the workshop will be available on

<https://www.pkw.uliege.be>

## 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@uliege.be) by **15 December 2024**.

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

Authors will be notified of acceptance for full paper submission by **15 January 2025**.



## DATES

**15 December 2024: Abstracts submission deadline**

15 January 2025: Notification of abstracts acceptance

**16 March 2025: Full papers submission**

15 May 2025: Notification of review results

15 June 2025: Revised full papers submission

**Early October 2025: Workshop**

