

Annonce de conférence

Mercredi 27.11.2013 à 17:15, **GC C 330 (génie civil)**

Hubert Chanson

Professor, School of Civil Engineering, The University of Queensland, Brisbane, Australia

Stepped Spillways (Hydraulics) - 22 Years On

Stepped spillways are used since more than 3,000 years. With the introduction of new construction materials (e.g. RCC, PVD coated gabions), the stepped spillway design has regained some interest. The steps increase significantly the rate of energy dissipation taking place along the chute, thus reducing the size of the required downstream energy dissipation basin. Stepped cascades are used also for in-stream re-aeration and in water treatment plants to enhance the air-water transfer of atmospheric gases and of volatile organic components.



This seminar reviews the hydraulic characteristics of stepped channel flows and the speaker reflects upon 22 years of research. After a presentation of the basic flow regimes and flow patterns, he will share his opinion on the current expertise and future research directions.

La conférence sera donnée en anglais. Durée env. 45 minutes, suivie d'une discussion.

Prof. Dr Anton SCHLEISS