



Advances in Spillway Hydraulics: From Theory to Practice

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Message from the Guest Editors

Dear Colleagues,

In the past decades, significant advances have been achieved in the field of hydraulic structures for dams, in particular water release structures including spillways with chutes and their terminal energy dissipators. In addition to recent innovative projects, a large number of older spillways have been reexamined with regard to their suitability to pass the revised design flood estimates. Of these, many contain features which create complex flow patterns and make prediction of spillway capacity and performance uncertain. On the other hand, safe and reliable spillways are of paramount importance, considering that many dam failures were caused by improperly designed spillways with insufficient discharge capacity. In addition to providing sufficient discharge capacity, the arrangement of the spillway must be such that releases do not erode or undermine the downstream toe of the dam and its abutments. [...]

For further reading, please follow the link to the Special Issue Website at:

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