# **Special Issue**

# Fluid Mechanics of Open Channel Flow

#### Message from the Guest Editors

Water plays a major role in human perception of the environment because it is an indispensable element and human life is totally dependent upon water. The technical challenges facing hydraulic engineers are formidable and sustained research efforts are essential. Hydraulic engineers are at the forefront of science to deliver water to the community, as well as to protect our society from waterrelated disasters. Although hydraulic engineers have a leading role to contribute, the technical challenges in open channel flows are huge.

Following of Hunter Rouse's classical text "Fluid Mechanics for Hydraulic Engineers" (1938), the aim of this Special Issue is to present a group of papers that could summarize the state-of-the-art of the fluid dynamics of open channel flows, in environmental geophysical and man-made applications, at the time of reporting novel pathways in research. It will contain experimental, theoretical and numerical contributions on the topic.

Contributions to the special issue will be by invitations (only).

#### **Guest Editors**

Prof. Hubert Chanson School of Civil Engineering, University of Queensland, Brisbane, Australia

Prof. Fabian Bombardelli Department of Civil and Environmental Engineering, University of California, Davis, CA, USA

#### Deadline for manuscript submissions

closed (15 October 2018)



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# Message from the Editor-in-Chief

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## Editor-in-Chief

Prof. Dr. D. Andrew S. Rees Department of Mechanical Engineering, University of Bath, Bath BA2 7AY, UK

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