**The Hydraulics of Open Channel Flow**
An Introduction

Second edition

Hubert Chanson
The University of Queensland, Australia

- New exercises and examples added to aid understanding
- Ideal for students and lecturers in civil and environmental engineering
- Widely used as a professional reference

Since the publication of its first edition in 1999, *The Hydraulics of Open Channel Flow* has been praised by professionals, academics, students and researchers alike as the most practical modern textbook on open channel flow available. This new edition includes substantial new material on hydraulic modelling, in particular addressing unsteady open channel flows. There are also many new exercises and projects, including a major new revision assignment.

Environmental Hydraulics is a new text for students and professionals studying advanced topics in river and estuarine systems. The book contains the full range of subjects on open channel flows, including mixing and dispersion, Saint-Venant equations and method of characteristics.

Following the approach of Hubert Chanson's highly successful undergraduate textbook Hydraulics of Open Channel Flow, the reader is guided step-by-step from the basic principles to more advanced practical applications.

Each section of the book contains many revision exercises, problems and assignments to help the reader test their learning in practical situations.

November 2004 : £45.00 : 464 pages : 0750661658 : Paperback

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