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Hydraulic engineering - Wikipedia
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engineers are primarily concerned with open channel flow, which is governed by the interdependent interaction between the water and the channel.

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a chapter on computational modelling, illustrating the application of computational simulation techniques to modern design, in a variety of contexts. New material and additional problems for solution have been added to the chapters on hydrostatics, pipe flow and

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dimensional analysis. The hydrology chapter has been revised to reflect updated UK flood estimation methods, data and software. The recommendations regarding the assessment of uncertainty, climate change predictions, impacts and adaptation measures have been

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updated, as has the guidance on the application of computational simulation techniques to river flood modelling. Andrew Chadwick is an honorary professor of coastal engineering and the former associate director of the Marine Institute at the University of Plymouth, UK. John

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Morfett was the head of hydraulics research and taught at the University of Brighton, UK. Martin Borthwick is a consultant hydrologist, formerly a flood hydrology advisor at the UK 's Environment Agency, and previously an associate professor at the University of Plymouth, UK.

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