



Impacts of Climate Change on Rainfall Extremes and Urban Drainage Systems

By *Patrick Willems, Jonas Olsson, Karsten Arnbjerg-nielsen, Simon Beecham, Assela Pathirana*

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Impacts of Climate Change on Rainfall Extremes and Urban Drainage Systems provides a state-of-the-art overview of existing methodologies and relevant results related to the assessment of the climate change impacts on urban rainfall extremes as well as on urban hydrology and hydraulics. This overview focuses mainly on several difficulties and limitations regarding the current methods and discusses various issues and challenges facing the research community in dealing with the climate change impact assessment and adaptation for urban drainage infrastructure design and management. Authors: Patrick Willems, University of Leuven, Hydraulics division; Jonas Olsson, Swedish Meteorological and Hydrological Institute; Karsten Arnbjerg-Nielsen, Technical University of Denmark, Department of Environmental Engineering; Simon Beecham, University of South Australia, School of Natural and Built Environments; Assela Pathirana, UNESCO-IHE Institute for Water Education; Ida Bulow Grgersen, Technical University of Denmark, Department of Environmental Engineering; Henrik Madsen, DHI Water & Environment, Water Resources Department; Van-Thanh-Van Nguyen, McGill University, Department of Civil Engineering and Applied Mechanics

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- Sales Rank: #895450 in Books
- Published on: 2012-10-15
- Original language: English
- Dimensions: 9.50" h x 7.25" w x .75" l, 1.60 pounds
- Binding: Paperback
- 226 pages



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