DESCRIPTION

This book integrates the physical processes of dam breaching and the mathematical aspects of risk assessment in a concise manner

• The first book that introduces the causes, processes and consequences of dam failures

• Integrates the physical processes of dam breaching and the mathematical aspects of risk assessment in a concise manner

• Emphasizes integrating theory and practice to better demonstrate the application of risk assessment and decision methodologies to real cases

• Intends to formulate dam-breaching emergency management steps in a scientific structure

ABOUT THE AUTHOR

Professor Limin Zhang, Hong Kong University of Science and Technology, China

Limin Zhang is currently Professor of Civil Engineering at the Department of Civil and Environmental Engineering, Hong Kong University of Science and Technology. His research areas include embankment dams and slopes, geotechnical risk assessment and foundation engineering.
Dr. Ming Peng, Hong Kong University of Science and Technology, China
Ming Peng is a Post-doctoral Research Associate at the Department of Civil and Environmental Engineering, Hong Kong University of Science and Technology. His research areas include risk analysis methodologies, flood vulnerability analysis and decision theory.

Dr. Dongsheng Chang, Hong Kong University of Science and Technology, China
Dongsheng Chang is a Post-doctoral Research Associate at the Department of Civil and Environmental Engineering, Hong Kong University of Science and Technology. Dr. Chang is an expert in internal erosion and overtopping erosion of dams. He invented a laboratory device to test the internal erodibility of soils under complex stress conditions.

Dr. Yao Xu, China Institute of Water Resources and Hydropower Research and Chinese National Committee on Large Dams, China
Yao Xu recently joined China Institute of Water Resources and Hydropower Research and Chinese National Committee on Large Dams after working as a Post-doctoral Research Associate at the Department of Civil and Environmental Engineering.

For additional product details, please visit https://www.wiley.com/en-us