This book provides an excellent overview of contemporary problems in reservoir management, from planning aspects of large multi-objective reservoirs and regarding small farm dams in Africa, to governmental matters, to sedimentation issues, to climate change impacts. Given the stochastic nature of hydrological conditions, the limited information available to characterize it and the multi-faceted targets of reservoir management, reservoir planning and operation are ambitious challenges for hydrologists and water managers. Reservoir management considers supply and demand. Demand includes the objectives of water management, but also the expectations of society, which develop with time; ecological targets for reservoir operation are now more important, social aspects and requirements are relevant and there are new constraints and objectives for operation of even older dams. The supply side has become more uncertain with increasing awareness of climate change causing growing concern about its impacts on the performance and reliability of existing and planned water management systems.
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