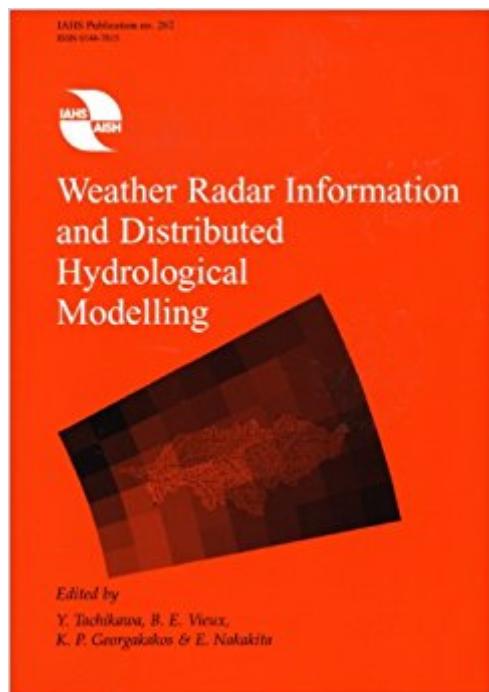


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Weather Radar Information And Distributed Hydrological Modelling (IAHS Proceedings & Reports)



Synopsis

The combined use of radar hydrology with distributed hydrological modelling creates powerful numerical tools for forecasting storms, floods and related natural disasters. Such tools, when used with historical observations, can also contribute rich information for water resources assessment. Considerable attention has been focused on these developments. However, fundamental issues of model development associated with the existence of uncertainties or errors in radar rainfall estimation and prediction, and in distributed model parameters, still remain unresolved. Clarification as to how hydrological prediction accuracy will be improved is essential. Scale issues also need further study. Suitable model resolution and required forcing resolution might be a function of catchment scale, but the relationship between them is still unknown. In association with the scale issues, assessing in what environment a distributed model shows better performance than a lumped model, is also an important research topic. The International Association of Hydrological Sciences is the world's premier member-based organization promoting the study and practice of Hydrology. Our books are authored, edited and produced at the highest level of quality, with the most current and thorough research. Our publications and our work advance the science and the professional practice of Hydrology in a variety of Science and Engineering fields around the world. The areas that we publish in include: -Ground water -Surface water -Snow and ice hydrology -Drought and desertification -Runoff modelling -Watershed -Remote sensing -Water quality -Water resources and management -Ecohydrology/hydro-ecology -Erosion and sediment -Tracer hydrology

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