

BOOK REVIEW

HYDRAULICS & HYDROLOGY IN THE SMALL COMPUTER AGE, Proceedings of the Speciality Conference sponsored by the Hydraulics Division of ASCE, Florida, USA Aug. 12-17, 1985, Volume I & II, edited by William R. Waldrop.

The objective of this conference was to demonstrate innovative applications of personal computer in areas of hydraulics and hydrology. The proceedings in two volumes in 1519 pages include 200 papers arranged into 54 technical sessions on a variety of topics. These include computerized data acquisition systems, real time monitoring and forecasting, micro-computer software applications, coastal and wetland processes, surface water hydrology, ground water hydrology, etc. Some of the papers which would be useful reference for hydrologists involved in application of personal computers include :

1. Large basin runoff forecasting on small computers by T.E. Croley II and H.C. Hartmann.
2. A operational dynamic routing model for small computers by M.P. Helwa and R.N. Ragan.
3. Real time flood forecasting on small computers by E.S. Clyde and E.J. O'Brien.
4. Applications of geographic information system for hydrologic investigation.
5. Microcomputer applications in stochastic hydrology by T.S. Chang.
6. The microcomputer as an intelligent workstation in large scale hydrologic modelling by R.M. Ragan and E.J. White.
7. Computer aided design of ground water monitoring programs by W.K. Beckman.
8. A microcomputer program for river sedimentation by J.F. Davis and A.C. Miller.
9. Microcomputers in hydraulics and hydrology education by W.P. James, K.N. Strezepek, R.A. Wurbs.
10. Micro-processor based data acquisition system by J.C.N. Sun and C.D. Tockstein.

The publication does not include any computer programs. It is recommended as a good reference.

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