

EDITORIAL

This special issue contains the majority of the papers presented at the Third International Conference on Mesoscale Precipitation: Hydrologic and Meteorological Aspects, held at College Station, Texas, during 27 February–1 March 1991. Previous conferences were held at Caracas, Venezuela, in 1986 and at the Massachusetts Institute of Technology in 1988. As in previous conferences, the goal of the College Station conference was to bring together meteorologists and hydrologists to discuss methodologies used in both fields. The conference was sponsored by the American Meteorological Society and the American Geophysical Union and had the financial support of the National Aeronautics and Space Administration, the National Science Foundation, and the Texas Institute of Oceanography. Seventy scientists attended. This attendance reflects the success of the other conferences in attracting researchers of different disciplines to work together. The number of papers presented and published in this special issue is larger than in the previous special issues, and the number of papers in which hydrologists and meteorologists are joint authors has increased. There was an increased level of maturity and integration of ideas, procedures, and nomenclature from both fields. We are confident that this trend will continue in future joint meetings.

In this special issue, the papers were grouped in similar categories as in the previous special issues: space–time structure of rainfall, rainfall modeling, rainfall and hydrologic forecasting, and rainfall measurement and estimation. There was a significant increase in the number of papers in the last category, reflecting the growing research interest in this area.

The financial support of the Texas Institute of Oceanography, National Aeronautics and Space Administration, and the National Science Foundation and the sponsorship of the American Meteorological Society and the American Geophysical Union were vital to the success of this conference. Their support is gratefully acknowledged. The fourth conference will be held 26–28 April 1993 at the University of Iowa.

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Guest Editors