

FOREWORD AND ACKNOWLEDGEMENTS

The Eleventh International Symposium on Computer-Assisted Cartography (Auto-Carto-11) continues the tradition of Auto Carto conferences dating back to the early 1970s. Auto-Carto has become internationally recognized for presenting state-of-the-art papers in digital cartography, the manipulation of spatial data, and geographic information systems. Traditionally, the Auto-Carto conferences have been held every other year and now are held in alternate years from the Spatial Data Handling conferences, sponsored by the IGU. Both of these conferences--Auto-Carto and Spatial Data Handling--focus on basic conceptual/theoretical research. This conference, scheduled at the Minneapolis Hilton from October 30th to November 1st, 1993, is being held directly before GIS/LIS'93. The forty-three papers accepted for publication in this volume were selected from over seventy abstracts submitted to the program committee in April of 1993.

We would like to thank the many individuals who have helped with the organization and planning for Auto-Carto-11. Since the original planning for the conference only began during GIS/LIS'92, it was necessary to put together a program in a short period of time. We wish to thank John Lisack, Executive Director of ACSM and Bill French, Executive Director of ASPRS, as well as the Joint Convention Advisory Committee, for approving and supporting the concept of an Auto-Carto-11. Linda Hachero and Cheryl Hill of Fait Accompli efficiently took care of local arrangements in Minneapolis, as well as distribution of program materials. We also wish to thank Jodi Larson at The University of Minnesota for her careful attention in sending out the conference correspondence. The Program Committee of Barbara Buttenfield, Nick Chrisman, Keith Clarke, Max Egenhofer, Gail Langran, David Mark, Mark Monmonier, Jean-Claude Muller, and Rob Weibel carefully reviewed the abstracts and provided valuable feedback on the final program.

This volume contains papers, presented at the conference, on an array of topics related to digital cartography and GIS, including spatial theory, hypermedia, generalization, visualization, and algorithmic development. We hope you will find it a valuable addition to your professional library.

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