

## Proceedings

Tenth International Symposium on Computer-Assisted Cartography

# AUTO-CARTO 10

Baltimore, Maryland  
March 25-28, 1991

## FOREWORD

This volume contains the 27 papers of the Tenth International Symposium on Computer-Assisted Cartography. *AUTO-CARTO 10* represents a new direction for the series. (Only time will tell whether it was the start of a new course, or a temporary detour!) For the first time, full papers were peer-reviewed by at least two, and often three or four, members of the program committee. Furthermore, accepted papers were returned to the authors for revision based on the reviewers comments. Our announced plan was to accept between 30 and 40 papers, and we expected to select those from a pool of perhaps 100 submissions. Based on that expectation, a large program committee with a total of 22 members was established to conduct the reviewing and to advise on final program decisions; the program committee co-Chairs wish to thank all the members of the committee for their timely and conscientious reviewing and other participation in the decision-making process.

We were surprised, and somewhat disappointed, when only 39 full papers were submitted for consideration. (This compares to some 160 *abstracts* submitted to *AUTO-CARTO 8* four years earlier.) However, the quality of those papers was in most cases very high, and we believe that "self-selection" was in part responsible for the low number submitted. Other possible reasons for the low pool of papers are that the community realized too late that full papers were due in September; or that the community does not wish to have fully-refereed proceedings, preferring instead to submit refereed material through the journals. In fact some people suggested exactly that reason, and the program chair(s) for *AUTO-CARTO 11* will have to consider carefully whether to try full reviewing again, or return to the previous system of screening extended abstracts or short proposals.

Despite the low number of submissions, we continued to apply the high refereeing standards that had been promised to the authors. All unanimous recommendations from the reviewers were followed; for the remaining papers, a subset of the program committee met in Anaheim and finalized the decisions. The result was the acceptance of 27 of the papers which appear in this volume. Then, because the 27 papers did not fill all available *AUTO-CARTO 10* program slots, three panel discussions that had been proposed were inserted into program, and brief summaries (unrefereed) also appear in this volume.

Do the members of the "*AUTO-CARTO* community" want refereed proceedings? After the meeting, people should make their feelings on this clear, and transmit them to us, or to the Board of the American Cartographic Association. Regardless of the future of full-paper refereeing in *AUTO-CARTO*, we are proud of the quality of papers in this volume, and look forward to an excellent meeting in Baltimore!

David M. Mark, Buffalo, New York  
Denis White, Corvallis, Oregon  
28 January 1991

## **The *AUTO-CARTO 10* Program Committee**

David Mark, co-Chair

Denis White, co-Chair

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Kurt Brassel

Peter Burrough

Bill Carstensen

Nick Chrisman

Keith Clarke

David Cowen

David Douglas

Peter Fisher

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