

Roland Kankey Jane Robbins
Editors

**Cost Analysis
and Estimating**
Shifting U.S. Priorities

With 34 Figures



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FOREWORD

The environment for today's cost estimator and analyst is certainly very challenging. Computerization, software, robots, composites, uncertainty, and integrated systems all challenge the applicability of our existing tools and techniques. These *Proceedings* serve to document some of the completed and on-going research in the dynamic world of costing.

This document is published in conjunction with the first Society of Cost Estimating and Analysis (SCEA) National Conference, held in Boston, MA, June 19–21, 1991. It serves to foster and promote cost research, and to provide a forum to report these findings in furtherance of public interest.

This volume is the third of the series. The first and second were published in conjunction with the 1989 ICA/NES Joint Conference in Washington, D.C., and the 1990 ICA/NES Joint Conference in Los Angeles.

My thanks to our Editors, Professor Jane Robbins and Dr. Roland Kankey; our Managing Editor, Mr. Frank Flett; the Program Chair, Ms. Ann-Marie Sweet; and all those who contributed.

R. R. Crum, President
Society of Cost Estimating and Analysis

PREFACE

We wish to thank the professionals who submitted papers to us for review. As any editor will indicate, you cannot review or publish papers that are not submitted.

The articles in this *Proceedings* successfully completed the referee process. Each of these authors was rewarded by an additional cycle of minor changes, word processing, and express mailings.

We are deeply indebted to those individuals who supported us. Among the individuals who provided support were Ms. Ellen Burton who prepared all the correspondence to the authors; Ms. MaryEllen Ogle who did extensive proof-reading of the manuscripts; Ms. Patricia Pietrzak who served as our special administrator and coordinator; Ms. Gail Elm who did quality assurance; Mrs. Denise Farmer who spent endless hours typesetting the manuscripts; and Mr. Robert Hazlett and Mr. J.D. Weaver. We would also like to thank the people at the Air Force Institute of Technology's School of Systems and Logistics who supported work on this volume; specifically, we thank Col Richard S Cammarota; Dean, and Dr. William Mauer, Associate Dean; LtCol Curtis Cook, Head of the Department of System Acquisition Management; Mr. Leo Mercier, former Head of the Department of Quantitative Management; and Prof. William Dean, Deputy Department Head, Department of System Acquisition Management. Many others also assisted and without their help, this volume would not have been possible. In particular, the support of the Dayton office of TASC is gratefully acknowledged.

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