

Preface

The use of multivariate procedures in diverse fields of application has generated a growth in the development of new theoretical results in multivariate analysis. In response to the need to bridge the gap between theory and practice, a symposium was planned under the sponsorship of the Institute of Mathematical Statistics and hosted by Hong Kong Baptist College

The Symposium was held in Hong Kong on March 16 - 18, 1992, and was attended by over 160 scholars and practitioners from more than twenty countries. The format for the Symposium was an initial short course, held on March 14, 1992, featuring four lectures on the current state of multivariate analysis. These lectures were given by T. W. Anderson, W. S. Cleveland, I. Olkin and Y. L. Tong. The three-day Symposium followed the short course and included 28 invited presentations and 60 contributed presentations.

The speakers represented a variety of nationalities and included both established scholars and young statisticians. The talks covered the whole spectrum from theoretical to applied, thus providing participants with a valuable sample of ongoing statistical research. Two follow-up Workshops were simultaneously held in the Chinese cities of Guangzhou and Kunming on March 20-21. Approximately 80 statisticians participated in the Workshops. Both the participants and the organizers judged the Symposium and related activities to be very successful.

This volume contains the 4 short course lectures, 27 invited papers, and selected contributed papers. All papers were refereed, and we thank the referees for their conscientious work. We trust that this Proceedings will serve as a valuable resource for theorists and practitioners of multivariate analysis.

T.W. Anderson
K.T. Fang
F.J. Hickernell
I. Olkin