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PREFACE

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## PROCEEDINGS

OF

## THE TWENTIETH CONFERENCE

ON

## INFORMATION SCIENCES AND SYSTEMS

### PAPERS PRESENTED

MARCH 19, 20, 21, 1986

### PROGRAM DIRECTOR

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## PREFACE

The Twentieth Annual Conference on Information Sciences and Systems was held on March 19, 20, and 21, 1986 at Princeton University, Princeton, New Jersey under the sponsorship of the Department of Electrical Engineering. This Proceedings volume contains papers presented at the Conference. To all the authors who contributed papers, to the many people who chaired the sessions, and to all those who attended, I extend my thanks for making the meeting a great success.

In honor of the twentieth anniversary of the Conference, a special banquet was held on Thursday, March 20. I would like to thank Stuart Schwartz and Mrs. Diane Griffiths for organizing the banquet. Dr. M. E. Van Valkenburg, Dean of Engineering at the University of Illinois, Champaign-Urbana, was the banquet speaker. Dr. Van Valkenburg was the Conference Chairman of the First Annual Princeton Conference on Information Sciences and Systems in 1967; I want to thank him for participating in our celebration and for providing his insightful views of the past, present, and future.

I want to offer a personal word of thanks to my colleagues at Princeton who helped in preparations for the meeting: Bill Hopkins, Bede Liu, Peter Ramadge, Stuart Schwartz, John Thomas, and Sergio Verdu. To Mrs. Diane Griffiths, for expert handling of the innumerable organizational and administrative details of the Conference, I owe a special debt of gratitude. For their assistance with registration, thanks go to Mrs. Carol Desmond, Mrs. Diane Griffiths, Miss Claire Hartmann, Dean George Mueller, Miss Sandy Sendlock, and Mrs. Karen Williams. Thanks also to Mr. Bob Stevenson for organizing the excellent cocktail receptions and coffee breaks.

On behalf of all of the Conference participants, I thank Mrs. Diane Griffiths, and her assistant Miss Sandy Sendlock, for their efforts in producing this Proceedings.

The 21st Conference on Information Sciences and Systems will be held in March 1987 in Baltimore, Maryland under the sponsorship of the Department of Electrical Engineering and Computer Science at The Johns Hopkins University.

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