# CONTENTS

## I. INTRODUCTION

An Overview of the Kinki Region Problematique
Y. Sawaragi and Y. Suzuki

## II. THE FIELD STUDY

Planning, Modeling, and Environmental Decision Making — A Case Study of the Kinki Region in Japan
S. Ikeda, J.W. Owsinski, and D.V. Winterfeldt

## III. REGIONAL PLANNING AND PROGRAMMING AND THE ROLE OF MODELS

The Concept, Process, and Method of Regional Planning and the Kinki Regional Development Program
K. Yoshikawa

The Role of Models in Integrated Regional Development Programs
M.M. Albegov, J.W. Owsinski, and A. Straszak

A Framework for Evaluating Regional Program Organization and Policy Formulation
R. Ostrowski and A. Straszak

## IV. MODELS FOR INTEGRATED REGIONAL DEVELOPMENT PROGRAMS

IBM Experiences in Urban and Regional System Development
T. Shiina, T. Ainai, T. Tohyama, and T. Matsuzaki

Identifying a Regional Problem Structure by DEMATEL: A Trial
H. Miyazaki, Y. Eguchi, Y. Nishikawa, A. Udo, T. Matsuzaki, and T. Ainai

The Kinki Model Directed to Ultra-Long-Term Integrated Regional Development Planning
Y. Suzuki, H. Ishitani, and K. Shoji

Summary of the Discussion (J. Kacprzyk)

## V. MODELS FOR PROBLEM AREAS

Current Research Directions in Problems of Terminal Site Location
Y. Nagao and I. Wakai
VI. METHODS

A Multiobjective Mathematical Programming Method Applied to Social Planning Problems
Y. Nishikawa, N. Sannomiya, A. Udo, and T. Takehara

Evaluation in Environmental System Planning: The Nested Lagrangian Multiplier Method
F. Seo and M. Sakawa

An Assessment of the Residential Environment in Kyoto City: A Trial Toward Group Decision
H. Nakayama, K. Inoue, and Y. Sawaragi

Summary of the Discussion (J. Kacprzyk)

VII. CONCLUDING REMARKS

Appendix: Other papers given at the Workshop