

CONTENTS

Preface	vii
Acknowledgments	ix
Contributors	xiii
1 The Essentials of Elevatoring	1
2 The Basis of Elevatoring a Building	31
3 Passenger Traffic Requirements	63
4 Incoming Traffic	71
5 Two-Way Traffic	97
6 Outgoing Traffic	119
7 Elevator Operation and Control	131
8 Space and Physical Requirements	181
9 Escalators and Moving Walks	233
10 Elevatoring Commercial Buildings	261
11 Elevatoring Residential Buildings	299
12 Elevatoring Institutional Buildings	323
13 Service and Freight Elevators	347
14 Nonconventional Elevators, Special Applications, and Environmental Considerations	381
15 Automated Materials-Handling Systems	449
16 Codes and Standards	481
17 Elevator Specifying and Contracting	503
18 Economics, Maintenance, and Modernization	517
19 Traffic Studies and Performance Evaluation Using Simulation	543
20 The Changing Modes of Horizontal and Vertical Transportation	565

CONTENTS

Appendix: Literature on Elevators and Escalators	585
Index of Tables and Charts	589
Index of Examples	591
Subject Index	593