Contents

Preface		vii
1.	Electronics and the Developing Economies: Introduction and Overview <i>Björn Wellenius</i>	1
2.	Building a Modern Electronics Industry Arnold Miller	15
PAI	RT I. INDUSTRY CHARACTERISTICS	29
3.	Semiconductors David Dahmen	31
4.	The Computer Industry Kenneth Flamm	43
5.	Consumer Electronics Jeffrey A. Hart	57
6.	Telecommunications Equipment Markets into the 1990s William W. Ambrose	75
PAI	RT II. EXPERIENCES OF ADVANCED INDUSTRIAL ECONOMIES	91
7.	The U.S. Electronics Industry Ralph J. Thomson	93
8.	European Electronics: From Crisis to Collaboration Wayne Sandholtz	111
9.	The Japanese Semiconductor Industry Yoshio Nishi	123
10.	The U.S., Japanese, and Global Integrated Circuit Industry: Prospects for New Entrants W. Edward Steinmueller	131
11.	Trends in Worldwide Sourcing in the Electronics Industry Cary Kimmel	151
PAI	RT III. THE NEWLY INDUSTRIALIZED ECONOMIES	161
12.	Strategic Underpinnings of the Electronics Industry in the Newly Industrialized Economies of Asia	163

U.	Contents		
13.	Development of the Brazilian Electronics Industry: A Study of the Competitiveness of Four Subsectors Claudio R. Frischtak		181
14.	The Electronics Industry in India: Past Problems, Recent Progress, Future Outlook Geoffrey Gowen and Daniel Hefler		209
15.	Alternative Strategies for Developing Information Industries Ashoka Mody		223
PART IV. CONCLUSION			239
16.	Electronics Development Strategy: The Role of Government Carl J. Dahlman		241
	Annex—Public Policy Workshops Arnold Miller, Debra L. Miller, and Denis F. Simon		267
Abl	previations and Glossary		273
Con	tributors		279