INTRODUCTION

1. The Impacts of Structural and Technological Change: An Overview
   Eileen Appelbaum and Ronald Schettkat
   3

1.1 Free Markets and Welfare State Institutions
   3

1.2 Flexibility and Adjustment to Change
   4

1.3 Work Organization, Labor Skills, and Production Regimes
   5

1.4 Technological Change, Economic Development, and the Shift to Services: Postindustrial Society?
   8

1.5 Aim and Organization of the Book
   12

PART 1: GENERAL CHANGES IN THE STRUCTURE OF THE ECONOMIES

2. Structures of Postindustrial Society or Does Mass Unemployment Disappear in the Service and Information Economy?
   Fritz W. Scharpf
   17
2.1 Introduction 17
2.2 The Cost Disease of Services 18
2.3 Differences among Countries 19
2.4 Partial Explanations 24
2.5 Service Productivity Reconsidered 29
2.6 The Ultimate Demand Constraint 32
2.7 Conclusion 34

3 Differential Characteristics of Employment Growth in Service Industries
Eileen Appelbaum and Peter Albin 36
3.1 Classification of Service Industries 36
3.2 Industry Trends in Output and Employment 41
3.3 Service Sector Characteristics: Occupations and Gender 47
3.4 Polarization of Service Employment 49
Appendix 53

4 Structural Change in the United States, Past and Prospective: Its Implication for Skill and Educational Requirements
Ronald E. Kutscher 54
4.1 Overview of Structural Change 54
4.2 Analysis of Contributing Factors 58
4.3 Implication of Structural Changes 72

5 Structural Change, Information Technology, and Employment: The Case of France
Pascal Petit 75
5.1 Introduction 75
5.2 Comparative Features of Productivity Gains and Structural Changes 76
5.3 The Expansion of Employment in Services 79
5.4 Diffusion of Information Technology 82
5.5 Changes in Occupational Structures 87
5.6 On Some Conclusions in Terms of Productivity Gains 90

6 Structural Change in the Federal Republic of Germany: The Case of Services
Frank Stille 93
Contents vii

6.1 Introduction 93
6.3 Ideas about and Evidence of the Process of Tertiarization 100
6.4 A Further Look at Employment 110

PART II: ADJUSTING TO TECHNOLOGICAL AND STRUCTURAL CHANGE

7 Institutions Regulating the Labor Market: Support or Impediments for Structural Change? 119
Günther Schmid 119
7.1 Introduction 119
7.2 Structural Change and the Quality Challenge 122
7.3 Evaluation of Institutions in View of the Quality Challenge 127
7.4 Concluding Reflections on the Institutional Designing of Structural Change 138

8 Flexibility in the Labor Market—Internal versus External Adjustment in International Comparison 144
Werner Sengenberger 144
8.1 Introduction: External versus Internal Adjustment 144
8.2 Enterprise Internal Adjustment and Labor Markets 146
8.3 New Frontiers of Flexible Organization: Externalization and Reintegration 153
8.4 Summary and Conclusions 160

9 Manufacturing Products with Microelectronics: Sectoral Strengths and the Social Construction of Actors in Britain and Germany 163
Adrian Campbell, Arndt Sorge, and Malcolm Warner 163
9.1 Introduction and Concepts 163
9.2 Methods and Samples 166
9.3 Product Strategies 169
9.4 Competence, Training, and Personnel Policy 174
9.5 Interpretation 178

10 Labor Market Adjustments to Structural Change in Sweden 180
Lena Gonäs 180
<table>
<thead>
<tr>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.1 Introduction</td>
</tr>
<tr>
<td>10.2 Structural Change, the Welfare State, and the Industrial Relation System</td>
</tr>
<tr>
<td>10.3 The Project on Structural Change—STOP</td>
</tr>
<tr>
<td>10.4 The Decision-making Process and Trade Union Influence</td>
</tr>
<tr>
<td>10.5 Who Must Leave? A Selection by Age and Occupation</td>
</tr>
<tr>
<td>10.6 What Happened after Two Years? Who Found Work and Who Did Not?</td>
</tr>
<tr>
<td>10.7 Some Conclusions</td>
</tr>
<tr>
<td>Appendix</td>
</tr>
</tbody>
</table>

<p>| 11 Adjustment Processes in the Economy: Labor Market Dynamics in the Federal Republic of Germany |</p>
<table>
<thead>
<tr>
<th>Ronald Schettkat</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.1 Introduction</td>
</tr>
<tr>
<td>11.2 Analyzing Labor Market Dynamics: Stocks and Flows</td>
</tr>
<tr>
<td>11.3 Empirical Evidence on Mobility and Stability in the West German Labor Market</td>
</tr>
<tr>
<td>11.4 Explaining the Risk of Becoming Unemployed</td>
</tr>
<tr>
<td>11.5 Concluding Summary</td>
</tr>
</tbody>
</table>

Bibliography 223

Index 237

About the Contributors 245