)LOGY, GROWTH, AND THE LABOR MARKET

edited by

Donma K. Ginther
University of Kansas and
Federal Reserve Bank of Atlanta

Occidental College and Federal Reserve Bank of Atlanta

assisted by

Lynn H. Foley Federal Reserve Bank of Atlanta

CONTENTS

PREFACE	vii
SECTION 1-PRODUCTIVITY AND THE MACROECONOMY	1
Chapter 1-PRODUCTIVITY AND THE NEW ECONOMY Edward M. Gramlich	3
Chapter 2-WILL THE RECOVERED ECONOMY STILL BE A NEW ECONOMY? Alice M. Rivlin	11
SECTION 2-PROBUCTIVITY GROWTH AND TECHNOLOGY: WHAT THE FUTURE HOLDS	17
Chapter 3-PROJECTING PRODUCTIVITY GROWTH: LESSONS FROM THE U.S. GROWTH RESURGENCE Dale W. Jorgenson, Mun S. Ho, and Kevin J. Stiroh	19
Chapter 4-INF0RMATI0N TECHNOLOGY AND PRODUCTIVITY: WHERE ARE WE NOW AND WHERE ARE WE GOING? Stephen D. Oliner and Daniel E. Sichel	41
Chapter 5-A DISCUSSION OF PRODUCTIVITY GROWTH AND TECHNOLOGY John Fernald	95
SECTION 3-SKILL-BIASEB TECHNOLOGICAL CHANGE AND WAGE INEQUALITY	105
Chapter 6-SKILL DEMAND, INEQUALITY, AND COMPUTERIZATION: CONNECTING THE DOTS David H. Autor, Frank Levy, and Richard J. Murnane	107
Chapter 7-TECHNOLOGY AND U.S. WAGE INEQUALITY: A BRIEF LOOK David Card and John E. DiNardo	131
Chapter 8-A DISCUSSION OF SKILL-BIASED TECHNOLOGICAL CHANGE AND WAGE INEQUALITY Donna K. Ginther	161

SECTION 4-TECHNOLOGY AND PRODUCTIVITY IN THE FIRM	•	169
Chapter 9-WAGES, PRODUCTIVITY, AND TECHNOLOGY: WHAT HAVE WE LEARNED FROM MICRO EVIDENCE FOR U.S. MANUFACTURING? John Haltiwanger		171
Chapter 10-A DISCUSSION OF TECHNOLOGY AND PRODUCTIVITY IN THE FIRM Robert A. Eisenbeis		187
Chapter 11-PRODUCTIVITY, COMPUTERIZATION, AND SKILL CHANGE I ' • Edward N. Wolff		197
Chapter 12-TECHNOLOGY SHOCKS AND PROBLEM-SOLVING CAPACITY Kathryn Shaw		235
Chapter 13-A DISCUSSION OF TECHNOLOGY AND PRODUCTIVITY IN THE FIRM Paula Stephan	•	259
CONFERENCE PARTICIPANT BIOGRAPHIES		263
INDEX		269