

Contents

The Economics of High-Technology Competition and Cooperation: Overview of the Issues

Georg Koopmann and Hans-Eckart Scharrer

9

Session 1:

Technological Progress in an Open Economy

The Economics of Technological Progress and Endogenous Growth in open Economies

Francisco L. Rivera-Batiz

31

Comment: Richard Baldwin

63

The New Industrial Organization Theory and the Microeconomics of Innovation

William L. Baldwin

77

Comment: Reinald Krüger

99

International Diffusion of Technological Knowledge

David B. Audretsch

107

Comment: Luc Soete

137

Session 2:

International Business Strategies on High-Technology Markets

What makes High Technology Competition different from Conventional Competition? The Central Importance of National Systems of Innovation

Keith Pavitt and Parimal Patel

143

The Economics of Cooperation among High-Tech Firms - Trends and Patterns in Strategic Technology Partnering since the Early Seventies

John Hagedoorn

173

Comment: Graham Vickery

199

Global Competitive Strategies for Scienceware Products

Horst Albach

203

Comment: John Cantwell

219

Session 3:

National Approaches to Technology Policy in a Globalizing World Economy

Enduring Dilemmas in U.S. Technology Policy and the Clinton Administration

Rose Marie Ham and David C. Mowery

229

Comment: Ernst-Jürgen Horn

259

National Approaches to Technology Policy in a Globalizing World Economy - The Case of Germany and the European Union

Erhard Kantzenbach and Marisa Pfister

267

Comment: Richard Escritt

317

National Approaches to Technology Policy in a Globalizing World Economy - The Case of Japan

Chihiro Watanabe

323

Comment: Frieder Meyer-Krahmer

369

Panel Session:

National Technology Policies and International Cooperative Linkages among Private Firms

Challenges for German Research and Innovation Policies - New Ways and Directions

Christian Patermann

381

European R&D Policy and Industrial Competitiveness

Gérard Comyn

387

International Cooperation in Setting Technology Priorities

William J. Spencer

391

National Technology Policy against the Background of Multinational Corporate Strategies

Heinrich Höfer

395

National Technology Policies and International Cooperative Linkages among Private Firms - Perspective from a Japanese Private Firm

Yasutsugu Takeda

401

National Technology Policies and International Cooperative Linkages among Private Firms

Sylvia Ostry

405

List of Authors and Participants

407