Table of Contents

List of Contributors ................................................................................................................... IX

Introduction: Korea as a Newly Advanced Economy and the Role of Technology and Innovation
   Jörg Mahlich and Werner Pascha..................................................................................... 1

Part I - General Surveys

The Korean Innovation System: From Industrial Catch-Up to Technological Leadership?
   Martin Hemmert.................................................................................................................. 11

The Development of Technological Capability and the Transformation of Inward FDI in Korea from 1962 to 2000
   Jin-Hyo Joseph Yun........................................................................................................... 33

On the Time Lag between Technology Policy and FDI Policy in Korea - A Comment on Jin-Hyo Joseph Yun’s Paper
   Werner Pascha.................................................................................................................... 55

Paradigm Shift and Challenges for Korean Industry: Case Study of Samsung
   Kwan Rim......................................................................................................................... 59
Part II - Cross-cutting Issues

Corporate Governance and Investment in R&D in South Korea
   B. Burcin Yurtoglu..............................................................71

The Revolution of Auditing System in Korea
   Joon-Hwa Rho.................................................................87

Public-Private R&D Collaboration in Korea - A Cross-Sector Survey of Incentive Structures
   Matthew Shapiro...........................................................93

Public-Private R&D Partnerships: Current Issues and Challenges
   Thomas Roediger-Schluga..............................................115

The Technological Competencies of Korea’s Firms: A Patent Analysis
   Bernhard Dachs, Jörg C. Mahlich and Georg Zahradnik........127

Korean Technological Competencies: Institutional Framework and Patterns of Industrial Competition
   Roman Bartnik...............................................................147

Effects of Patents on the Total Factor Productivity of ICT Industry in Korea
   Keun-Yeob Oh and Taegi Kim.........................................155

Comment on Keun Yeob Oh and Taegi Kim: Patents and Productivity Growth in Information and Communication Technology Industry of Korea
   Michael Peneder...........................................................171

Use of Technology Foresight in S&T Policy Making: A Korean Experience
   Dominik Schlossstein.....................................................175

The Added Value of Technology Foresight
   Claudia Steindl............................................................195
Part III - Sectoral Issues

Nanotechnology in Korea – Actors and Innovative Potential
Iris Wieczorek.........................................................................................................................205

Korea’s Telecommunications Industry
Rüdiger Frank..........................................................................................................................233

Keeping Pace with Globalisation: Innovation Capability in Korea’s Telecommunications Equipment Industry
Sunil Mani.................................................................................................................................255

Success of CDMA Telecommunications Technology in Korea:
The Role of the Mobile Triangle
In-Soo Han...............................................................................................................................287
Innovation and Technology in Korea
Challenges of a Newly Advanced Economy
Mahlisch, J.; Pascha, W. (Eds.)
2007, X, 297 p., Hardcover
ISBN: 978-3-7908-1913-7
A product of Physica-Verlag Heidelberg