Innovation and technological change have different characteristics and follow different paths depending on the sector in which they take place. The knowledge, actors and institutions of a sector all exert a major influence on innovation. With contributions from nineteen experts in their field, this book proposes a “sectoral system of innovation” (SSI) homework to analyze the innovation process, the factors affecting innovation, the relationship between innovation and industry dynamics, the changing boundaries and the transformation of sectors, and the determinants of the innovation performance of firms and countries in different sectors. Innovation in a sector is considered to be affected by three groups of variables: knowledge and technologies; actors and networks; and institutions. In addition to providing a general framework, this book examines innovation in six major sectors in Europe: pharmaceuticals and biotechnology, telecommunications equipment and services, chemicals, software, machine tools and services.

**Franco Malerba** is Professor of Industrial Economics and Director of CESPRI (Centro di Ricerca sui Processi di Innovazione e Internazionalizzazione – Center for Research on Innovation and Internationalization) at Università Bocconi, Milan. He is currently President of the International Schumpeter Society (2002 to 2004), and President of the European Association of Research in Industrial Economics (EARIE), (2003 to 2005). He is also the author of numerous articles and books on industrial organization and the economics of technological change.
Sectoral Systems of Innovation

*Concepts, issues and analyses of six major sectors in Europe*

*edited by*

Franco Malerba
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Contributors

STEVEN CASPER
Keck Graduate Institute, Claremont, California
Steven_Casper@kgi.edu

FABRIZIO CESARONI
Laboratory of Economics and Management (LEM), Scuola Superiore Sant’Anna, Pisa
cesaroni@sssup.it

BENJAMIN CORIAT
Centre de Recherche en Economie Industrielle Internationale (CREII), Université Paris XIII
Coriat@club-internet.fr

CHARLES EDQUIST
Department of Design Sciences, Lund Institute of Technology, Lund University, Sweden
charles.edquist@innovation.lth.se

ALFONSO GAMBARDELLA
Scuola Superiore Sant’Anna, Pisa
GAMBARDELLA@sssup.it

WALTER GARCIA-FONTES
Department of Economics, Universitat Pompeu Fabra, Barcelona
wgarcia@upf.es

FRANCO MALERBA
Centro di Ricerca sui Processi di Innovazione e Internazionalizzazione (CESPRI), Università Bocconi, Milan
franco.malerba@uni-bocconi.it

MYRIAM MARIANI
Maastricht Economic Research Institute on Innovation and Technology (MERIT), University of Maastricht, and Università di Camerino, Italy
mymarian@tin.it
List of contributors

MAUREEN MCKELVEY
Department of Industrial Dynamics, Chalmers University of Technology, Göteborg
mckelvey@mot.chalmers.se

J. STAN METCALFE
Centre for Research on Innovation and Competition (CRIC),
University of Manchester
Stan.Metcalfe@man.ac.uk

FABIO MONTOBBO
Università degli Studi dell’Insubria, Varese
fmontobbio@eco.uninsubria.it

LUIGI ORSENIGO
Università di Brescia and CESPRI, Università Bocconi, Milan
luigi.orsenigo@uni-bocconi.it

FABIO PAMMOLLI
Università di Firenze
fabio.pammolli@cce.unifi.it

PHILIP SHAPIRA
School of Public Policy, Georgia Institute of Technology, Atlanta
philip.shapira@pubpolicy.gatech.edu

DAVID SOSKICE
Duke University, Durham, North Carolina
soskice@duke.edu

W. EDWARD STEINMUELLER
Science Policy Research Unit (SPRU), University of Sussex, Brighton
W.E.Steinmueller@sussex.ac.uk

BRUCE S. TETHER
Centre for Research on Innovation and Competition (CRIC),
University of Manchester
Bruce.Tether@man.ac.uk

OLIVIER WEINSTEIN
Centre de Recherche en Economie Industrielle Internationale (CREII),
Université Paris XIII
weinstei@seg.univ-paris13.fr

JÜRGEN WENGEL
Fraunhofer-Institut für Systemtechnik und Innovationsforschung
(ISI – Institute for Systems and Innovation Research), Karlsruhe
J.Wengel@isi.fraunhofer.de

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