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0521833213 - Sectoral Systems of Innovation: Concepts, Issues and Analyses of Six Major Sectors in Europe

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## Sectoral Systems of Innovation

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.

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