BOOK RECOMMENDATIONS
Translated version

University-industry collaboration

Renato Garcia | renatogarcia@eco.unicamp.br | ORCID: 0000-0001-9739-1658
Wilson Suzigan | wsuzigan@ige.unicamp.br | ORCID: 0000-0002-2193-4756

University-industry collaboration is a topic of increasing importance in the field of Technology and Innovation Management. In recent decades, the increasing complexity of knowledge for innovation has led firms to search for external sources of knowledge to support their innovative activities. The university is an important source of new knowledge for companies, and there is an increasing use of academic research to transfer this knowledge. Debates on the patterns, formats, and characteristics of university-industry collaboration become a frequent topic in the literature. However, there is a concern regarding the management of processes involving multiple agents, such as the university. Furthermore, the literature shows consequences and implications for public policies. Renato Garcia is professor at the Institute of Economics at UNICAMP and Wilson Suzigan is professor at the Institute of Geosciences at UNICAMP.

THE TRIPLE HELIX: University-industry-government innovation in action
This book represents a landmark for one of the most important and recognized approaches that analyses university-industry collaboration: the “Triple Helix” approach. Based on this approach, the author advocates a prominent role of the university and the importance of integration among the three spheres: university, industry, and government, for the production, transfer, and application of new scientific and technological knowledge.

PUBLIC UNIVERSITIES AND REGIONAL GROWTH: Insights from the University of California
This book presents a collection of studies on technology transfer experiences from the University of California and local firms in several industries. Two major topics of interest guide the studies presented in the book. The first is the importance of public universities in the United States, responsible for about 70% of academic research in the country and about 60% of government-funded research. The second is the effect of the collaboration on regional growth, emphasizing the role of innovation as the main driver of local economic development.

THE UNIVERSITY AND THE ECONOMY: Pathways to growth and economic development
This book gives the reader a broad and in-depth understanding of the university’s contribution to economic development. The book shows the major causal interactions between university activities and economic outcomes using theoretical tools and empirical evidence. Moreover, it provides a comprehensive analysis of why some university systems from different countries contribute to the promotion of scientific and technological development and others do not, with managerial implications and consequences for public policies.

DEVELOPING NATIONAL SYSTEMS OF INNOVATION: University-industry interactions in the Global South
This book represents a rare contribution to the understanding of university-industry collaboration in developing countries. Based on extensive empirical material developed by teams from 12 different countries, the book provides a broad and dynamic view of this interaction. Thus, it explores the dimensions and characteristics of this interaction that cannot be found in developed countries, where much of the analysis on the subject has been conducted.

IVORY TOWER AND INDUSTRIAL INNOVATION: University-industry technology transfer before and after the Bayh-Dole Act
The Bayh-Dole Act of 1980 represented a milestone in the institutional framework supporting the technology transfer from universities for companies in the United States. The huge expansion of university patenting and licensing since the 1990s is inserted in this context. In Brazil, the Bayh-Dole Act inspired the Innovation Act of 2004. This book discusses the main consequences and effects of the Bayh-Dole Act in the United States through both quantitative analysis and detailed case studies, investigating the major channels of university-industry technology transfer.