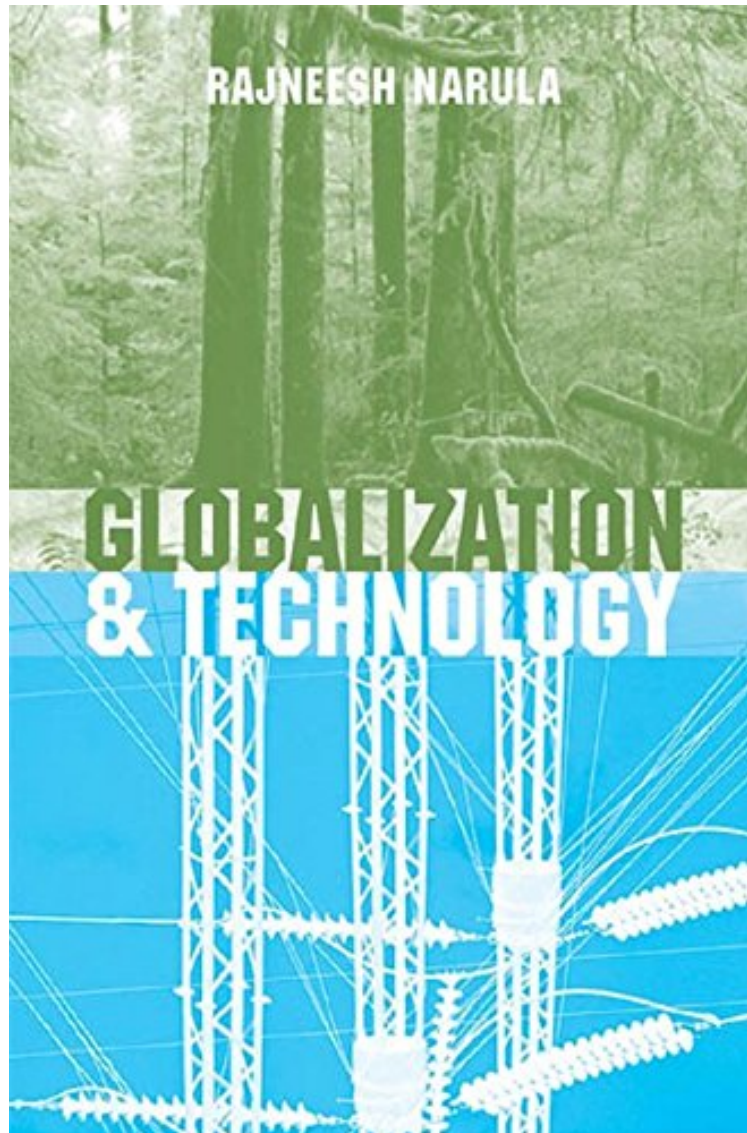


Globalization and Technology: Interdependence, Innovation Systems and Industrial Policy

Rajneesh Narula

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In this book Rajneesh Narula examines the interdependence of globalization and technological innovation at two

levels: first, between locations, by examining the role of cross-border initiatives in the innovation process; second, between corporate entities, by studying the dynamics of inter-firm RD collaboration. Examines the international aspect of the interdependence of globalization and technology. Explores the role of cross-border interdependence in the innovation process, as well as interdependence between firms. Reveals an interesting paradox: locations and firms are increasingly interdependent through supranational organisations and the flow of investments, technologies, ideas, and people; but knowledge creation suffers from 'inertias' and remains concentrated in a few locations. Draws on a wide variety of data at the firm and national level in the sphere of RD and technological innovation. Spells out important lessons for both policy makers and managers on industrial policy as well as the organisation of research and development by firms.

"New technologies have been the main fuel of globalization over the last quarter of a century. This fascinating book shows what the devices have been and, more importantly, how we can work with them to improve human affairs or the welfare of society at large." Professor Daniele Archibugi, Italian National Research Council, Rome "One of the best analyses of the interface between globalization and innovatory development – at both a firm and a country level – I have read. A well-crafted and closely reasoned monograph which deserves to be widely read by academic scholars and policy makers alike." John H. Dunning, University of Reading "A rare fusion of analytical clarity and illustrative readability both for the expert and the layman." Science and Public Policy

From the Back Cover

Globalization and technological innovation are interdependent processes. Globalization has a fundamental influence on the creation and diffusion of technology which, in turn, affects the interdependence of multinational corporations and where they locate their activities. In this book Rajneesh Narula examines the international aspect of this interdependence at two levels: first, between sites, by examining the role of cross-border initiatives in the innovation process; second, between corporate entities, by studying the dynamics of inter-firm collaboration in research and development. Narula explores an important paradox. On the one hand, locations and corporations are increasingly interdependent through supranational organizations, regional integration, strategic alliances, and the flow of investments, technologies, ideas and people. The boundaries of both corporations and states are increasingly porous and imprecise, because businesses use alliances and outsourcing, and countries are rarely technologically self-sufficient. On the other hand, locations remain distinct and idiosyncratic, with innovation systems largely nationally bound. Knowledge creation suffers from 'inertias' and, because of the systemic nature of learning, continues to be concentrated in a few locations and firms. This book will appeal to students of business and management studies, globalization, technical change and information and communication technologies. Drawing on a wide variety of data at the corporate and national level, it also spells out important lessons for policy makers and managers concerned with industrial and technology policy, as well as those interested in the organization of research and development.

About the Author Rajneesh Narula is Professor at the Department of International Economics and Management at the Copenhagen Business School and TIK Centre, University of Oslo.