This critical addition to the growing literature on innovation contains extensive analyses of the institutional and spatial aspects of innovation. Written by leading scholars in the fields of economic geography, innovation studies, planning, and technology policy, the fourteen chapters cover conceptual and measurement issues in innovation and relevant technology policies. The contributors examine how different institutional factors facilitate or hamper the flows of information and knowledge within and across firms, regions, and nations. In particular, they provide central insights into the roles of important institutions such as gender and culture, which are often neglected in the innovation literature, and demonstrate the key role that geography plays in the innovation process. They also discuss those institutions and policy measures which support entrepreneurship and cluster development. The result is an excellent comparative picture of the institutional factors underlying innovation systems across the globe.

KAREN R. POLENSKE is Professor of Regional Political Economy and Planning in the Department of Urban Studies and Planning at Massachusetts Institute of Technology.

CAMBRIDGE UNIVERSITY PRESS www.cambridge.org



		page vii
	List of tables	viii
	Notes on contributors	X
	Acknowledgments	xvi
	Abstracts	xix
	List of abbreviations and acronyms	xxvii
Part I	Concepts and measurements in innovation	01111
1	Introduction	3
•	KAREN R. POLENSKE	220
2	Measurement of the clustering and dispersion	
	of innovation	13
	ANNE P. CARTER	
3	Measuring the geography of innovation:	
	a literature review	30
	APIWAT RATANAWARAHA AND KAREN R. POLENSK	E
4	Employment growth and clusters dynamics of creative	
	industries in Great Britain	60
	BERNARD FINGLETON, DANILO C. IGLIORI,	
	BARRY MOORE, AND RAAKHI ODEDRA	
Dowt I	I Institutional and spatial aspects of information	
	nowledge flows	
5	Tacit knowledge in production systems: how important	
	is geography?	87
	MERIC S. GERTLER	

0	strategies, and utilization prospects  AMY GLASMEIER	112
7	Theorizing the gendered institutional bases of innovative regional economies MIA GRAY AND AL JAMES	129
8	Multinationals and transnational social space for learning: knowledge creation and transfer through global R&D networks ALICE LAM	157
9	Brain circulation and regional innovation: the Silicon Valley-Hsinchu-Shanghai triangle ANNALEE SAXENIAN	190
Part II	I Institutions and innovation systems	
10	National systems of production, innovation, and competence building BENGT-ÅKE LUNDVALL, BJÖRN JOHNSON, ESBEN S. ANDERSEN, AND BENT DALUM	213
11	Perspectives on entrepreneurship and cluster formation: biotechnology in the US Capitol region MARYANN P. FELDMAN	241
12	Facilitating enterprising places: the role of intermediaries in the United States and United Kingdom CHRISTIE BAXTER AND PETER TYLER	261
13	Innovation, integration, and technology upgrading in contemporary Chinese industry EDWARD S. STEINFELD	289
14	Society, community, and development: a tale of two regions MICHAEL STORPER, LENA LAVINAS, AND ALEJANDRO MERCADO-CÉLIS	310
	Index	340