

# Asia's Innovation Systems in Transition

#### Edited by

## Bengt-Åke Lundvall

Professor of Economics, Department of Business Studies, Aalborg University, Denmark and Special Invited Professor, School of Economics and Management, Tsinghua University, Beijing, China

### Patarapong Intarakumnerd

National Science and Technology Development Agency (NSTDA), Thailand

#### Jan Vang

Copenhagen Institute of Technology, Aalborg University, Denmark and Centre for Innovation, Research and Competence in the Learning Economy (CIRCLE), Sweden

NEW HORIZONS IN THE ECONOMICS OF INNOVATION

**Edward Elgar** 

L

Cheltenham, UK • Northampton, MA, USA

# Contents

	of figures of tables	vii viii
	of contributors	VIII
	face	xiv
1	Asia's innovation systems in transition: an introduction Bengt-Åke Lundvall, Patarapong Intarakumnerd and Jan Vang	1
2	Opportunities for Asian countries to catch up with knowledge-based competition  Tilman Altenburg	21
3	Transnational communities, offshore outsourcing and offshore subsidiaries: the case of the Indian IT service industry Jan Vang and Mikkel Lucas Overby	54
4	Effectively linking international, national and regional innovation systems: insights from India and Indonesia <i>Martina Fromhold-Eisebith</i>	75
5	Thailand's national innovation system in transition Patarapong Intarakumnerd	100
6	Hong Kong's innovation system in transition: challenges of regional integration and promotion of high technology Erik Baark and Naubahar Sharif	123
7	The Indonesian innovation system at a crossroads Peter Gammeltoft and Erman Aminullah	148
8	Performance and sources of industrial innovation in Korea's innovation system  Kong-Rae Lee	178
9	Advance of science-based industries and the changing innovation system of Japan  Hirovuki Odagiri	200

vi Contents

10	National innovation systems and India's IT capability: are there any lessons for ASEAN newcomers?  Nagesh Kumar and K.J. Joseph	227
11	Innovating for global competition: Singapore's pathway to high-tech development Henry Wai-chung Yeung	257
12	Policy learning as a key process in the transformation of the Chinese innovation systems  Shulin Gu and Bengt-Åke Lundvall	293
Ind	ex	313