Global Perspectives on Technology Transfer and Commercialization
Building Innovative Ecosystems

Edited by John Sibley Butler, J. Marion West Chair for Constructive Capitalism and the Herb Kelleher Chair for Entrepreneurship, The University of Texas at Austin and David V. Gibson, Associate Director and Nadya Kozmetsky Scott Centennial Fellow, IC2 Institute, The University of Texas at Austin, US

As we move further into the 21st century, increasing emphasis is being placed on the importance of technology transfer. Through new research and practices, scholars, practitioners and policymakers have made great strides in broadening our understanding and ability to implement technology transfer and commercialization processes. The fruit of that research is collected in this timely volume.

Technology transfer is a dynamic area of study that examines traditional topics such as intellectual property management, the management of risk, market identification, the role of public and private labs, and the role of universities. This volume reflects on how government, business and academia influence technology transfer in different countries and how the infrastructure of a country enhances technology and contributes to each country’s overall economy. Interpreting and adopting the processes of technology transfer and commercialization – or, building innovative ecosystems – is critical to seeing success in this digital age. Those leading the surge toward building innovative ecosystems for technology transfer are the fellows of the Institute for Innovation Creativity and Capital (IC2 Institute) at The University of Texas at Austin. Global in its scope of solving market economy problems, for this volume the Institute has focused its lens on accelerated knowledge-based development. Here, scholars from 13 countries come together to critique technology transfer from each of their respective nations. The results of their contributions lend innovative insight to exactly how different nations are working to maximize technology transfer and commercialization in uncertain times.

Those with an interest in commercialization and technology transfer, from students to scholars, practitioners to policymakers, will find this important collection of great value.


May 2011 432 pp Hardback 978 1 84980 977 1 $150.00 • 978 1 84980 978 8
Global Perspectives on Technology Transfer and Commercialization
Building Innovative Ecosystems

Edited by John Sibley Butler and David V. Gibson

Contents & Contributors

Foreword  Robert G. May
Introduction: Technology Transfer in Global Perspectives – Issues for the Twenty-first Century
John Sibley Butler and David V. Gibson

1. Technology Commercialization in Chinese Universities: An Innovation System Approach
   Lan Xue and Ling Zhou

2. Perspectives on Technology Transfer and Commercialization in Africa: A Focus on Kenya
   Kamau Gachigi, Paul Kukubo and Crispus M. Kiamba

3. Some UK Experience of Technology Transfer and Commercialization
   Robert Hodgson

4. A Stress Test for Creative and Innovative Management: Entrepreneurship in a War Zone
   Corey P. Carbonara, Michael F. Korpi and Marc LeGare

5. The Land of Milk, Honey and Ideas: What Makes Israel a Hotbed for Entrepreneurship and Innovation?
   Uzi De Haan and Boaz Golany

6. Disclosing Activities by Inventors and Technology Commercialization: A Case Study of a Japanese Company
   Michi Fukushima

7. Creative Model of Science Park Development: Case Study on Daedeok Innopolis, Korea
   Deog-Seong Oh and Byung-Joo Kang

8. Malta: A Mediterranean Island State, its University, and its Future Juanito Camilleri and Albert Caruana

9. Technology Transfer in Mexico: Trends in Public Policies and the Program at Monterrey International City of Knowledge
   Jaime Parada Ávila

10. Technology Transfer and the Development of New Technology-based Firms: Polish Perspectives and a Case Study on Nanotechnology
    Dariusz Trzmielak

11. Portugal at the Crossroads of Change, Facing the ‘Shock of the New’: People, Knowledge and Ideas Fostering the Social Fabric to
    Facilitate the Concentration of Knowledge-integrated Communities
    Manuel Heitor and Marco Bravo

12. Technology Transfer and Commercialization in Russia
    Nikolay Rogalev

13. The Experience in the United States: A University Perspective
    Patricia G. Greene and Mark P. Rice

Index