

Defining Technological Innovation University Of Pretoria

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The Human Side of Managing Technological Innovation
Technological Innovation
Understanding Technological Innovation
Technological Innovation
Academic Entrepreneurship and Technological Innovation: A Business Management Perspective
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the management of technological innovation mti is one of the most important challenges facing businesses today innovation has become the fundamental driver of competitiveness for firms of all sizes in virtually all business sectors and nations the first edition of this book has become one of the most popular texts for students of innovation and technology management this new edition sees david gann and ammon salter join mark dodgson as authors drawing on their combined experience of 60 years of researching and teaching mti it combines the most relevant theoretical analysis with contemporary and historical empirical evidence to provide a comprehensive yet concise and readable guide to the challenges of mti by explaining the innovation process the book reveals the broad scope of mti and its importance for company survival growth and sustainability it describes how mti has to be managed strategically and how this is successfully achieved by formulating and implementing strategy and delivering value chapters provide frameworks tools and techniques and case studies on managing innovation strategy communities and networks r d design and new product and service development operations and production and commercialization based on robust analysis the book provides a wide range of empirical evidence from a huge diversity of case studies with around fifty case studies newly written for this edition it analyses mti in all parts of the world in companies large and small and in services manufacturing and resource based business sectors this new edition has been fully revised and updated to reflect the latest teaching and research and to ensure its continuing relevance to the contemporary world of mti it will be an important resource for academics students and managers throughout the world is a recommended text for students of innovation and technology management at postgraduate and undergraduate level and is particularly valuable for mba courses

edited by a leader in the field of human resource management the human side of managing technological innovation second edition is organized around themes including motivating professionals measuring productivity managing groups and technology as a strategic resource

the book provides a basic introduction on innovation technology in research and industry mainly chemical technical industry and therefore bridges the gap between academic and corporate markets the different innovation stages are discussed and tools presented how to successfully apply this knowledge within a research organization

researchers and students in the management of innovation will find in this book an analytical framework that articulates technological innovation processes and the creation of new markets the multiplication of examples and cases helps the reader in better grasping the different aspects of the proposed framework the focus on information and communication technologies is of high relevance it enables the reader to put present developments in perspective and this is especially relevant when discussing ascending innovation and the role of users and uses

philippe laredo universities of paris est and manchester coordinator of the european prime network of excellence patrice flichy takes the reader on a fascinating tour of the literature on technological innovation innovation is situated within the frames of functioning and use offering rich insights into the strategies tactics improvisations and learning which occur through time he emphasises the dreams and musings of inventors novelists and the popular media to show how they mediate new technological frames of reference this book offers an excellent synthesis of the literature and an original historical account of innovation with special reference to information and communication technologies robin mansell london school of economics and political science uk in understanding technological innovation patrice flichy s interest is in the genesis of technology he describes the perspectives and interpretive schemes deployed by historians sociologists and economists in attempts to understand the determinants including chance of the particular forms of products and systems that have come to dominate the market and play so important a role some would claim dominant in our lives it is rare to find in one volume so informed a critique of the essential writings of historians of technology contemporary sociologists and economic historians his own special interest lies in the development of information technology and he puts his expertise to good use in revealing and contrasting the different perspectives and claims of these three schools louis l bucciarelli massachusetts institute of technology us working at the interface between interactionist sociology history and economics flichy provides us with a language for charting the evolution of new technologies as generic technical capabilities are explored perhaps inspired by visions of societal change and become stabilised and attached to particular conceptions of use he offers us an integrated perspective on technological innovation addressing the influence of history and social context whilst remaining open to the often unanticipated dynamism and surprises that may surround both these trajectories this book will provide a thoughtful contribution to current debates the critical literature review will provide a rich and convenient source for advanced teaching and research training robin williams the university of edinburgh uk how do the social sciences address the question of innovation and the relationship between technology and use this is the core point of this book which examines critically diverse works in sociology history economics and anthropology in order to formulate a new approach this reflection is essentially of a general nature though the cases used to illustrate the analysis are drawn primarily from the field of ict patrice flichy studies how the socio technological actions of the different actors particularly designers and users are organized within the same frames of reference he also introduces a new element into the model by demonstrating how time is involved in technological choices understanding technological innovation will be essential reading for advanced teaching and research training in the fields of science and technology studies and media and communication studies

this book explores how technological management can adapt and succeed in a world of inevitable oversights and foresights

in the ever changing scientific word academic entrepreneurship has emerged as a new and growing field referring to the creation and management of an environment for active support of knowledge exploitation and transfer academic entrepreneurship aims to encourage entrepreneurial behavior in the academic community academic entrepreneurship and technological innovation a business management perspective provides a wide ranging overview of the relationship between universities and organizations through the most recent and detailed research on university entrepreneurship this book aims to be a reference source for students researchers and practitioners interested in the academic industry s demand for technological innovation

this book examines how to create world class technology oriented innovation in higher education in china it also proposes a model in response to the demand for promoting scientific and technological advances and technological innovation in the chinese higher education system moreover the book explores key concepts pathways models policies practices trends and implications and offers insights into fostering innovation in higher education lastly it discusses how public policy theories can be applied to promote university technology transfer in order to create world class universities in todays china

this book series explores the management of technological innovation and related policy and strategy issues from various perspectives it covers global applications practical research for success socio technical challenges and new principles in understanding innovation

this book analyzes a range of social contexts in which human decisions shape technology in the market economy it comprises a critical review of both a select research literature and in depth historical studies material is drawn from many social science disciplines to inform the reader of the reality of taking decisions on innovation

it is by now common knowledge that one of the aspects upon which the survival of the university depends is how it will make the best possible use of the new technologies e learning despite the acceptance of this principle difficulties arise when one attempts to proceed from the mere declaration to actually planning activities and putting them into effect this research the result of collaboration between teachers and researchers of the educational science and engineering faculties of the university of florence focuses on certain theoretical concepts and reference apparatus bringing international literature to bear on the specific case of italy english version

written by the author who helped crystalize the field of technology management and the management of innovation with the first two editions of managing technological innovation this third edition brings the subject in line with current business strategy it also presents information in a newer organized format that aligns more closely with how the topics are presented and discussed in the classroom also included is a wider discussion of how science and technology interact with the global economy

focusing on innovation management the authors explore the role of knowledge stocks or intellectual capital blocks such as human social technological organizational and regional capitals on technological innovation process typologies and firm performance absorptive capabilities and organizational learning

this book explores how companies combine technological innovation and competitive actions that create new opportunities for business growth in the international market the complexity of designing today s technology platforms requires profound knowledge in multiple areas technology development and commercialization as an ongoing competitive process involves enabling and inhibiting mechanisms which govern the speed and acceleration of technological innovation to compete more effectively potential competitors are using coopetition and pooling their resources for shared gain in areas where they do not compete directly thus a thorough examination of the current paradigms theories and frameworks is needed to increase our understanding of the technology innovation competitiveness linkages of business growth this book brings together recent developments and methodological contributions within technological innovation international competitiveness and business growth that bridge the existing gaps and simultaneously advances the debate on this research topic

how much can innovation contribute to the quality of life how can innovation be used to develop and market commercial products these are two major questions considered by an international symposium of active researchers from the usa and europe in the fields of industrial innovation which was held at the university of strathclyde glasgow the scope of the papers is extensive and embraces the whole process of innovation from invention through development to commercialisation and diffusion some papers cover broad general issues such as the social and economic consequences of innovation and government policies towards innovation and research and development others provide highly specific and pragmatic advice upon the management of innovation and the development of marketing strategies to promote the speedy acceptance of new products and processes despite the diversity of the contributions a number of clear themes emerge these include the importance for successful innovation of clearly identifying user needs and the need for total immersion in the detail of an industry or market in order to understand the diffusion of an innovation in short there is

something in this book for anyone who is concerned with the impact and influence of technological innovation on our future

this work explores the social processes involved in technological innovation particularly in relation to the information and communications technologies icts

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