The Innovation Economy begins with discovery and culminates in speculation. Over some 250 years, economic growth has been driven by successive processes of trial and error: upstream exercises in research and invention, and downstream experiments in exploiting the new economic space opened by innovation. Drawing on his professional experiences, William H. Janeway provides an accessible pathway for readers to appreciate the dynamics of the Innovation Economy. He combines personal reflections from a career spanning forty years in venture capital with the development of an original theory of the role of asset bubbles in financing technological innovation and of the role of the state in playing an enabling role in the innovation process. Today, with the state frozen as an economic actor and access to the public equity markets only open to a minority, the Innovation Economy is stalled; learning the lessons from this book will contribute to its renewal.

William H. Janeway has been an active venture capital investor for forty years. In particular, he built and led the Warburg Pincus Technology Investment team that provided the financial backing to a series of companies which made critical contributions to building the internet economy. He received his Ph.D. in Economics from Cambridge, where he founded the Cambridge Endowment for Research in Finance, and is a Teaching Visitor in the Princeton Economics Department. He is a member of the Board of the Social Science Research Council and of the Institute for New Economic Thinking.
Doing Capitalism in the Innovation Economy

Markets, Speculation and the State

WILLIAM H. JANEWAY
“Bill Janeway, a key creator of modern venture capital, tells the amazing story of the intersection of economics and innovation. This book is essential to anyone who wants to understand technology and how its creation will be financed for decades to come.”

Marc Andreessen, co-creator of the Internet browser, co-founder of Netscape and Andreessen Horowitz

“Many people understand the political economic forces of our world. Add an understanding also of the financial forces at work in the modern economy and the list of wise people diminishes dramatically. Bill Janeway understands all three and writes about their interaction with great insight built on theoretical depth and practical experience. Read this book and your eyes will open to our current crisis and our prospect for the future.”

Bill Bradley, former US Senator

“Written with flair and telling first-hand experience, William Janeway’s Doing Capitalism is a terrific introduction to the world of venture capital. Along the way it is an insightful critique of economic models based on ‘representative rational agents’ and unlimited liquidity, a clarification of why continuous market models don’t grasp the discontinuous world of finance, an explanation of the work irrationality and ‘bubbles’ do in technological innovation, and a call to recognize the necessary intersection of politics and economics. Both a ‘must-read’ and a fun read.”

Craig Calhoun, Director of the London School of Economics

“When the despair of troubled economic conditions compels us to yearn for a better time, our fantasies gravitate to a savior called innovation. To discern whether such yearning attracts us to a mirage or to a sound basis for hope requires a discriminating and experienced mind. I know of no better mind in this realm than Bill Janeway, whom Hyman Minsky called a theorist–practitioner of financial economics. He has spent 40 years at the forefront of venture capital and financial economics. He takes us beyond mechanical details and reveals the deeper processes and interactions between state, market and finance that can foster and/or inhibit technological progress. Doing Capitalism leaves the neoclassical economic framework in tatters. It is a historically grounded and sophisticated look at how our society must rise to the challenges of collective action under radical uncertainty and integrate institutions on many levels to bring about the betterment of our human condition. This fine work will deepen your understanding of what innovation entails and impart a vision that
will both surprise you, and inspire you, to move beyond your prejudices, whatever your political persuasion.”

*Rob Johnson, Executive Director of the Institute for New Economic Thinking*

“This is, quite simply, the only book I have read that does justice to the necessary interplay between the market of real goods and services, speculative financial markets, and the state. It is wise, insightful, and rich with both economic history and the personal stories of a brilliant investor. If you want to understand the innovation economy, go no farther: read this book.”

*Tim O’Reilly, Founder and CEO O’Reilly Media*

“A powerful reinterpretation of capitalism, seen from above and lived from inside, by someone who is as much at home in the practical world of innovation and finance as in the abstract world of economic theory. Janeway’s book is a fascinating double dip from theory to reality and back. Indispensable for anyone in finance or academia, in policy or politics, wanting to act intelligently in the post-bubble world and beyond.”

*Carlota Perez, Professor of Technology and Socio-Economic Development, Tallinn University of Technology, Estonia, and LSE, Cambridge and Sussex Universities in England*

“This is a masterful historical and conceptual analysis of the Three Player Game between the state, private entrepreneurial innovation and financial capitalism. The state has a key role in funding scientific research that leads to innovation. Amply funded by financial capitalism, innovation is a source of long-term growth. But speculative funding of innovation is also associated with asset and credit bubbles that end up in financial crashes. Then, following Keynes, the state has to intervene again to limit the economic and financial fallout from such crashes. A Minsky-inspired synthesis of the financial excesses of Schumpeterian creative destruction, this book should be required reading for all.”

*Nouriel Roubini, Professor of Economics at New York University and Chairman of Roubini Global Economics*

“A revelatory exploration of the complex dynamics underlying the innovation economy and the inherent roles of speculation and waste as experienced by one of the great venture capitalists and political/economic thinkers of our age. This book provides a powerful framework for dealing
with the economic challenges we are facing today. It couldn’t have come at a better time!”

*John Seely Brown, Former Chief Scientist of Xerox Corp and Director of its Palo Alto Research Center (PARC)*

“I have never held orthodox financial theory in high regard. I do not find it useful. It presumes a stability and certainty of knowing about the future that is both wrong and dangerously misleading. Bill Janeway can see that. He is both a practitioner and a financial theorist and his book, *Doing Capitalism*, is serious new economic thinking on the process of innovation. This is a realm where standard economic treatments do not get to the heart of the matter – dealing with radical uncertainty. Janeway applies keen insights from his experience as a venture capitalist and creates a vision of the interaction between governments, financiers, and firms that shows what institutions society must develop to foster innovation. I believe that *Doing Capitalism* will help all of us, whether academics, private sector leaders, or government officials, to see beyond shallow political dogma and move to a deeper understanding of challenges of technological advance.”

*George Soros, Chairman of Soros Fund Management*
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In memoriam, Ferdinand Eberstadt and Hyman Minsky
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After all aid solicited, offered and received, I do affirm my own sole responsibility for all errors of commission and omission and interpretation that reside herein.