THE DIGITAL RENMINBI'S DISRUPTION

THE DIGITAL RENMINBI'S DISRUPTION

Shaping the Global Economic, Financial and Policy Landscapes

BY

CHI LO

Global Bank Senior Economist and Independent Scholar, Hong Kong



United Kingdom – North America – Japan – India Malaysia – China Emerald Publishing Limited Howard House, Wagon Lane, Bingley BD16 1WA, UK

First edition 2022

Copyright © 2022 Chi Lo. Published under exclusive licence by Emerald Publishing Limited.

Reprints and permissions service

Contact: permissions@emeraldinsight.com

No part of this book may be reproduced, stored in a retrieval system, transmitted in any form or by any means electronic, mechanical, photocopying, recording or otherwise without either the prior written permission of the publisher or a licence permitting restricted copying issued in the UK by The Copyright Licensing Agency and in the USA by The Copyright Clearance Center. Any opinions expressed in the chapters are those of the authors. Whilst Emerald makes every effort to ensure the quality and accuracy of its content, Emerald makes no representation implied or otherwise, as to the chapters' suitability and application and disclaims any warranties, express or implied, to their use.

British Library Cataloguing in Publication Data

A catalogue record for this book is available from the British Library

ISBN: 978-1-80455-331-2 (Print) ISBN: 978-1-80455-330-5 (Online) ISBN: 978-1-80455-332-9 (Epub)



ISOQAR certified Management System, awarded to Emerald for adherence to Environmental standard ISO 14001:2004.

Certificate Number 1985 ISO 14001





BOOKS ALSO BY CHILO

When Asia Meets China in the New Millennium – China's Role in Shaping Asia's Post-Crisis Economic Transformation, Pearson Prentice Hall, 2003

The Misunderstood China – Uncovering the Truth Behind the Bamboo Curtain, Pearson Prentice Hall, 2004

Phantom of the China Economic Threat - Shadow of the Next Asian Crisis, Palgrave Macmillan, 2006

Understanding China's Growth - Forces That Drive China's Economic Future, Palgrave Macmillan, 2007

Asia and the Subprime Crisis – Lifting the Veil on the Financial Tsunami, Palgrave Macmillan, 2009

China After the Subprime Crisis - Opportunities in the New Economic Landscape, Palgrave Macmillan, November 2010

Thinking the Inevitable: China's Superpower Aspiration in the New Paradigm, Enrich Professional Publishing, March 2012

The Renminbi Rises: Myths, Hypes and Realities of RMB Internationalisation and Reforms in the Post-Crisis World, Palgrave Macmillan, July 2013

China's Impossible Trinity: The Structural Challenges to the 'Chinese Dream', Palgrave Macmillan, July 2015

Demystifying China's Mega Trends - The Driving Forces That Will Shake Up China and the World, Emerald Publishing, April 2017

China's Global Disruption – Myths and Reality, Emerald Publishing, January 2021

CONTENTS

List of Abbreviations Introduction		X
		1
1.	China's Central Bank Digital Currency	11
2.	The Crypto Disruption	21
3.	Disrupting the Crypto Disruption	37
4.	Decoding China's Tech Policy	57
5.	Breaking Up the Global Payments System	77
6.	The Digital Belt and Road Initiative	93
7.	The Digital Currency War	107
8.	Renminbi vs Dollar Hegemony, the Ultimate Disruption	121
Bibliography		133
Index		143

LIST OF ABBREVIATIONS

Al Artificial intelligence

ASEAN Association of Southeast Asian Nations

BIS Bank for International Settlements

BRI Belt and Road Initiative

CBDC Central Bank Digital Currency

CBIRC China Banking and Insurance Regulatory Commission

CIPS Cross-Border Interbank Payment System
DCEP Digital Currency Electronic Payment

DLT Distributed Ledger Technology

DSR Digital Silk Road

DXCD Digital Eastern Caribbean Dollar

EEU Eurasia Economic Union

GFC Global Financial Crisis 2007–2008

HSR Health Silk Road
ICO Initial Coin Offering
IPO Initial Public Offering
IT Information Technology
PBoC People's Bank of China

QE Quantitative Easing (monetary policy)
SIIs Systemically Important Institutions
SMEs Small and Medium-Sized Enterprises

SWIFT Society for Worldwide Interbank Financial Telecommunication

TPS Transactions per Second