Contents

List of figures x
List of tables xii
Notes on contributors xiii
Foreword xv
Acknowledgements xvi

General introduction: the future of payment systems 1
ANDREW G. HALDANE, STEPHEN MILLARD AND VICTORIA SAPORTA

PART I
Payment systems and public policy 13

1 Central banks and payment systems: past, present and future 15
STEPHEN MILLARD AND VICTORIA SAPORTA

2 The role of a central bank in payment systems 45
EDWARD J. GREEN

3 Some challenges for research in payments 57
EDWARD J. GREEN

4 Payment economics and the role of central banks 68
JEFFREY LACKER

PART II
New approaches to modelling payments 73

5 New models of old (?) payment questions 75
RICARDO CAVALCANTE AND NEIL WALLACE
Contents

6 Optimal settlement rules for payment systems 87
BENJAMIN LESTER, STEPHEN MILLARD AND MATTHEW WILLISON

7 The microstructure of money 100
JAMES McANDREWS

PART III
Current payment policy issues 117

8 Wholesale payments: questioning the market-failure hypothesis 119
GEORGE SELGIN

9 Central bank intraday collateral policy and implications for tiering in RTGS payment systems 138
JOHN P. JACKSON AND MARK J. MANNING

10 Central banks' interest calculating conventions: deviating from the intraday/overnight status quo 160
GEORGE SPEIGHT, MATTHEW WILLISON, MORTEN BECH AND JING YANG

11 How should we regulate banks' liquidity? 175
JEAN-CHARLES ROCHE'T

PART IV
Policy perspectives on the future of payments 187

12 The diffusion of real-time gross settlement 189
MORTEN L. BECH

13 E-settlement: soon a reality? 206
HARRY LEINONEN

14 Real-time liquidity management in a globally-connected market 230
RICHARD PATTINSON

15 Will central banking survive electronic money? 233
STEFAN W. SCHMITZ
16 Payment systems and central banks: where are we now and where will e-payments take us?

CHARLES FREEDMAN

Index