

Contents

<i>Preface</i>	xi
<i>List of abbreviations</i>	xii
Introduction	1
PART I	
Externalities, network effects, and systemic risks	9
1 Unstable banking	11
1.1 <i>Bank runs</i>	13
1.2 <i>Run on the repos</i>	18
1.3 <i>The role of financial fragility</i>	22
1.4 <i>Fire sales, leverage, and unstable banking</i>	24
1.5 <i>The coordinative failure and the trigger of bank run</i>	31
2 Financial network, interconnectedness, and contagion	33
2.1 <i>The interest rate channel of contagion</i>	35
2.2 <i>Strategic interconnectedness</i>	43
2.3 <i>Web of claims and the Domino effect</i>	46
2.4 <i>The network structure and financial stability</i>	48
3 Endogenous exposure to systemic liquidity risks	57
3.1 <i>The maturity mismatch and liquidity</i>	59
3.2 <i>The constrained efficiency</i>	62
3.3 <i>The market equilibrium and endogenous risk exposure</i>	63
3.4 <i>Appendix</i>	69

x	<i>Contents</i>		
4	Financial complexity and systemic risk	78	1
	4.1 <i>The computational complexity and loss of information</i>	80	2
	4.2 <i>Complexity and market power</i>	85	3
	4.3 <i>Financial complexity and illiquidity/insolvency uncertainty</i>	92	4
	4.4 <i>Appendix</i>	100	5
			6
			7
5	Leverage and leverage cycle	104	8
	5.1 <i>Leverage cycle and risk management</i>	106	9
	5.2 <i>The general equilibrium effect and the leverage cycle</i>	111	10
			11
			12
6	Micro fragility and macro stability	124	13
	6.1 <i>The agency problem and financial accelerator</i>	126	14
	6.2 <i>Financial friction and credit cycle</i>	135	15
	6.3 <i>Financial intermediaries in the macro framework</i>	145	16
			17
			18
			19
	PART II		20
	Topics in macroprudential regulation	149	21
			22
7	From microprudential to macroprudential regulation	151	23
	7.1 <i>Indicators of systemic risk</i>	152	24
	7.2 <i>Tools for macroprudential regulation</i>	159	25
			26
8	Liquidity regulation and the lender of last resort policy	165	27
	8.1 <i>Nominal contracts and the lender of last resort policy</i>	169	28
	8.2 <i>Optimal liquidity regulation under pure illiquidity risk</i>	173	29
	8.3 <i>Liquidity regulation under financial complexity</i>	174	30
	8.4 <i>Appendix</i>	178	31
			32
			33
9	Capital requirements and equity buffer	180	34
	9.1 <i>The role of equity in banking regulation</i>	181	35
	9.2 <i>The efficiency of equity requirements</i>	184	36
	9.3 <i>Equity requirement under insolvency uncertainty</i>	190	37
	9.4 <i>Is CoCo that sweet?</i>	195	38
	9.5 <i>Appendix</i>	207	39
			40
			41
			42
	<i>References</i>	210	43
	<i>Index</i>	217	44
			45