

# Contents

<b>1</b>	<b>Introduction: Energy Economics and Financial Markets . . . . .</b>	<b>1</b>
	John L. Simpson, Wim Westerman and André Dorsman	

## Part I Supply and Demand

<b>2</b>	<b>Energy Security in Asia: The Case of Natural Gas . . . . .</b>	<b>13</b>
	Helen Cabalu and Cristina Alfonso	
<b>3</b>	<b>Buyer Credit Pricing for Natural Gas Exports Using Country Risk Ratings . . . . .</b>	<b>31</b>
	John L. Simpson	
<b>4</b>	<b>The Drivers of Energy Consumption in Developing Countries . . .</b>	<b>49</b>
	Ayhan Kapusuzoglu and Mehmet Baha Karan	

## Part II Environmental Issues and Renewables

<b>5</b>	<b>Renewable Energy Production Capacity and Consumption, Economic Growth and Global Warming . . . . .</b>	<b>73</b>
	Henk von Eije, Steven von Eije and Wim Westerman	
<b>6</b>	<b>Economics Instruments for Pollution Abatement: Tradable Permits Versus Carbon Taxes . . . . .</b>	<b>91</b>
	Anthony D. Owen	
<b>7</b>	<b>Emissions Trading and Stock Returns: Evidence from the European Steel and Combustion Industries . . . . .</b>	<b>107</b>
	Jeroen Bruggeman and Halit Gonenc	

**Part III The Dynamics of Energy Derivatives Trading**

<b>8 Energy Derivatives Market Dynamics . . . . .</b>	<b>129</b>
Don Bredin, Éamonn Ó Ciagáin and Cal B. Muckley	
<b>9 The Dynamics of Crude Oil Spot and Futures Markets . . . . .</b>	<b>159</b>
Özgür Arslan-Ayaydin and Inna Khagleeva	
<b>10 Natural Gas Market Liberalization: An Examination of UK and US Futures and Spot Prices . . . . .</b>	<b>175</b>
John L. Simpson	

**Part IV Finance and Energy**

<b>11 Adding Oil to a Portfolio of Stocks and Bonds? . . . . .</b>	<b>197</b>
André Dorsman, André Koch, Menno Jager and André Thibeault	
<b>12 Imperfection of Electricity Networks . . . . .</b>	<b>215</b>
André Dorsman, Geert Jan Franx and Paul Pottuujt	
<b>13 Initial Public Offerings of Energy Companies . . . . .</b>	<b>235</b>
Bill Dimovski	