Table of contents

Foreword

- Introduction: Sustainability: A Broad Perspective
- 1 Climate Change and Infrastructure
- Part 2 Sustainable Practices in Infrastructure Systems
- 14 Issues in Assessing Urban Infrastructures
- 16 The Zofnass Rating System for Infrastructure Sustainability and Decision-Making
- Part 1 Dimensions of Sustainability
- 10 Sustainable Transportation Infrastructure
- 2 Resource Allocation
- 4 Quality of Life
- 3 Infrastructure and Nature: Reciprocal Effects and Patterns for our Future
- 6 Water Infrastructure and Sustainability Systems
- Part 3 Assessing Urban Infrastructures
- 5 Sustainable Wellness: The Convergence of Social and Ecological Wellbeing
- 9 Sustainable Solid Waste Infrastructure
- 13 Ecological Infrastructure
- 7 The Evolution of Urban Water and Energy Infrastructure Systems
- 8 Sustainability Aspects of Large-Scale Wind Power Development
- 11 Transportation: Aviation/Airports
- 15 Current Environmental Evaluation Approaches
- 12 Sustainability in Ports, Freights and Logistics
- 18 Sustainable Cities: Oxymoron or the Shape of the Future?
- 19 Intelligent Infrastructures
- 20 Landscape Infrastructure: Urbanism Beyond Engineering
- 21 Shaping the Built Environment and Infrastructure to Improve our Quality of Life
- 22 Why Ecological Urbanism? Why Now?
- Part 4 Design and Planning for Infrastructure Sustainability
- 17 Economic Assessments of the Value of Sustainability