## Contents

*List of contributors* vii  
*Preface* xv  

1. **Applied geography: relevance and approaches**  
   *Robert Stimson and Kingsley E. Haynes*  
   1  

2. **A geographic perspective on demographic evolution in Europe: the CEG participation in the ESPON 1.1.4 project**  
   *Diogo de Abreu*  
   17  

3. **A national transport policy: the case of Pakistan**  
   *Roger R. Stough*  
   34  

4. **Spatial modelling, GIS and network analysis for improving the sustainability of transporting aggregates in the UK**  
   *Chengchao Zuo, Mark Birkin, Graham Clarke, Fiona McEvoy and Andrew Bloodworth*  
   55  

5. **SMILE: an applied spatial micro-simulation model for Ireland**  
   *Karyn Morrissey, Cathal O’Donoghue, Graham Clarke, Dimitris Ballas and Stephen Hynes*  
   79  

6. **Using GIS and spatial modelling to support school network planning in Estonia**  
   *Edgar Sepp and Jüri Roosaare*  
   95  

7. **Spatial optimization: expanding emergency services to address regional growth and development**  
   *Alan T. Murray, Daoqin Tong and Tony H. Grubesic*  
   109  

   *Jonathan Corcoran, Robert Stimson, Prem Chhetri, David Rohde and Angela Higginson*  
   123  

9. **Geographical dimensions of federal investment in small business development**  
   *Kingsley E. Haynes, Haifeng Qian and Sidney C. Turner*  
   144  

10. **Geographical modelling, public policy and informing the ‘store wars’ sovereignty debate in Australia**  
    *Robert G.V. Baker and Stephen N. Wood*  
    160
11 Defending a territory: automobile dealership customer and site analysis
   John Lombard

12 West Midlands (UK) regional planning (1999–2012), functioning economic geography and the E³I belt: coping with uncomfortable truths
   Michael Taylor and John R. Bryson

13 Technopoles: governance and networking
   Haddad Ismail

14 Economics of space: estimating the economic significance of a NASA testing facility
   Michael C. Carroll and Will M. Burns

15 Using input–output analysis and GIS to assess economic, fiscal and developmental impacts of toll roads in Dallas: a 40-year perspective
   Bernard L. Weinstein and Terry L. Clower

16 Helping community groups to address urban planning issues in a deprived gipsy neighbourhood: geographical experiences from Perpignan in a post-riot context
   David Giband

17 Designing, implementing, monitoring and evaluating an urban community development programme in Portugal
   Maria Lucinda Fonseca and Alina Esteves

18 A local master plan for biospheric conservation and development: concept, methodology and application
   Eliahu Stern

19 Assessing responses to National Weather Service warnings: the case of a tornado
   Burrell E. Montz

20 Managing environmental hazards of outdoor falls among the elderly population of Hong Kong
   Poh-Chin Lau, Wing-Cheung Wong, Ming-Houng Chan, Chien-Tat Low and Martin Wong

21 Hydropower in Chilean Patagonia: evaluating socio-economic conditions for resettlement and/or compensation of rural inhabitants
   Frederico Arenas and Pablo Osses McIntyre

Index