



## Systems Modelling: Theory and Practice

Michael Pidd (Editor)

E-Book Rental (120 Days)	ISBN: 978-0-470-86732-7R120	July 2004	<b>\$15.00</b>
E-Book Rental (150 Days)	ISBN: 978-0-470-86732-7R150	July 2004	<b>\$17.00</b>
E-Book	ISBN: 978-0-470-86732-7	July 2004	<b>\$55.00</b>
Paperback	ISBN: 978-0-470-86731-0	March 2004	<b>\$70.95</b>

### DESCRIPTION

*Systems Modelling: Theory and Practice* brings together some of the leading minds in the fields of Systems Modelling and Operational Research, to produce a book which addresses issues that are of both practical importance and theoretical significance. This union of the theory and practice of Systems Modelling incorporates both 'hard' and 'soft' aspects of Operational Research, creating a complementary approach that requires more than common sense and results in significant organizational benefits.

The contributors are from organizations and academic departments that are major users of systems modelling, meaning their experience will be vital to readers who are seeking to expand their level of understanding in the development of these models. This book will appeal to students of computing, management science and operational research, and to practitioners who understand the many possibilities and applications that this complementary approach could have in industry.

### ABOUT THE AUTHOR

**Michael Pidd** is Professor of Management Science at Lancaster University and a Past President of the Operational Research Society. His research interests focus on the development of usable models in management science and computer simulation and he has published widely in many academic journals and books. His authored books include the highly regarded *Tools for Thinking:*

*Modelling in Management Science*, now in its second edition, and *Computer Simulation in Management Science*, now in its fourth edition, (both published by John Wiley & Sons).

---

## FEATURES

- Draws on the work of INCISM, a research network made up of practitioners and academics which has been examining the links between hard and soft OR - there is much interest in this material in the field.
  - Split into two sections - in the first half, leading thinkers explore theoretical aspects of the hard-soft debate, while the second half takes this further using practical examples from the field.
  - Mike Pidd is Past President of the OR Society and one of the leading authors in his field - his contributors bring the rigour of Lancaster, Cranfield, Strathclyde, LBS and The Open University.
- 

For additional product details, please visit <https://www.wiley.com/en-us>

This union of the theory and practice of Systems Modelling incorporates both "hard" and "soft" aspects of Operational Research, creating a complementary approach that requires more than common sense and results in significant organizational benefits. The contributors are from organizations and academic departments that are major users of systems modelling, meaning their experience will be vital to readers who are seeking to expand their level of understanding in the development of these models. This book will appeal to students of computing, management science and operational research, and to Relevance and Rigour, Theory and Practice in Systems Stephen K. Probert. Vickers' Concept of Relationship-Maintaining and the Nature of Regulation Daune West. Section 2: Systems Practice. Connecting Soft Systems Thinking with Project Management Practice: An Organizational Change Case Study Kerry Costello, Lynn Crawford, Lesley Bentley and Julien Pollack. Cybernetics/Systems Approach to Transformation of the Towel Production Firms in Osaka Area, Japan Takayuki Koga. Modelling Roles in Business Systems using Role Objects ring Liang. Towards a Definition of the "Information Bearing Capability" of a Conceptual Data Schema Hongwei Xu and Junkang Feng. Section 10: Student Papers.