The Management School, University of Lancaster

The third edition of this popular book emphasizes the role of modelling in the computer simulation methods used in management science. Readers will find a thorough coverage of the modelling, computing and statistical aspects of discrete simulation and system dynamics.

- Part I is a general introduction to the simulation methods commonly used in management science. Part II gives a detailed exposition of discrete event simulation, and Part III provides a description of the methods of system dynamics as an approach to policy modelling within organizations.

This book is based on modern computing methods and assumes the use of personal computers and workstations. It includes coverage of visual interactive simulation and modelling and takes the view that contemporary software and hardware allow rapid model development.

Computer Simulation in Management Science shows why computer simulation models are popular and gives full instruction on their construction and use. A book which will appeal to students, teachers and practitioners of management science, computing, engineering and business.

- Updated to reflect changes in computing methods.
- Emphasizes the methods needed to develop valid working simulations.
- Includes example programs in Turbo Pascal, SIMSCRIPT and GPSS.

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