

# Contents

## Section One: Cultural and Social Dimensions

Editor: David Crookall

<i>David Crookall</i>	3
Cultural and social aspects of simulation: An introduction	
<i>David Crookall, Alan Coote, Jan H. G. Klabbers, Rebecca Oxford, Sergio Coccozza, Danny Saunders, Maarten van Mens, Janneke van Mens-Verhulst &amp; Alberta Delle Piane</i>	7
Designing a game about the future of education: A case study.	
<i>Maarten van Mens</i>	18
Mapping game interaction patterns: Some observations on player behaviour in a SIMPLEX game	
<i>Ken Jones</i>	25
Interactive events: National differences in participation and categorization	
<i>Ken Jones</i>	33
Why gamers die in space	
<i>Laurie McMahon &amp; Alan Coote</i>	38
Debriefing simulation games: Personal reflections	
<i>Elizabeth M. Christopher</i>	43
Open and closed games: Further observations on their structure and effects	
<i>David Crookall, Rebecca Oxford, Danny Saunders &amp; Alan Coote</i>	54
ISLAND ESCAPE: A decision-making and negotiation icebreaker	
<i>José J. González, Magne Myrtevit &amp; Lars Vavik</i>	59
Teaching about the AIDS epidemic through simulation and games on a microcomputer	

**xiv**    *Contents*

<i>D. Wells Coleman</i> Simulating conversation with a PARUT	67
<i>John Emery</i> Play and instrumentality in computer-assisted language learning	74
<i>Ranee K. L. Panjabi</i> The Italian Renaissance: A model for the use of simulation and other teaching methods in a Canadian university	80
<i>Karin Blair</i> Reflections on believing your own twaddle or How can I know what I think until I see what I say	86

**Section Two: Management and Business**

Editors: Alan Cooté & Danny Saunders

<i>Alan Cooté &amp; Danny Saunders</i> Business and management simulations and games: An introduction	95
<i>Jac. L. Geurts, Pieter W. M. van Wierst, Robert Hooyberg, Peter de Klerk and Richard D. Duke</i> Integrating managerial perspectives: Application of a gaming/ simulation to the (re)design of a management information system	98
<i>Rolf von Luede</i> Rationalization in a firm: A simulation for new students in economics and the social sciences	109
<i>James M. Freeman</i> On predicting the examination performance of business undergraduates: A simulation game perspective	115
<i>Barry Moore</i> Management training by simulation/gaming	125
<i>Alessandro Bartola, Franco Sotte, Andrea Arzeni, Andrea Fantini &amp; Dario Novach</i> Accounting and firm management analysis for the farmer	133

<i>Rainer Siebecke</i>	142
Information centre for games and simulation models	

<i>Tadeusz Selbirak</i>	149
Using simulation games for training executive managers	

<i>Eckhard Steuer</i>	155
Simulating participation of staff in a firm's profit and capital	

### Section Three: Support Systems

Editor: Jan H. G. Klabbers

<i>Jan H. G. Klabbers</i>	161
Support systems—classification, taxonomy, policy formation: An introduction	

<i>William E. Feinberg</i>	164
When a model needs a model: Explaining unexpected results	

<i>Hubert Law-Yone</i>	173
A political-economy model of urban land use change	

<i>Steven E. Underwood</i>	180
The Policy Exercise: Cooperative learning for long-run policy assessment	

<i>Dario De Toffoli</i>	190
Some examples of game classification: Notes for a taxonomy	

<i>Jan H. G. Klabbers</i>	201
The frame of reference underlying the user-oriented taxonomy of games and simulations	

### Section Four: The Italian Perspective

Editors: Arnaldo Cecchini & Alberta Delle Piane

<i>Arnaldo Cecchini &amp; Alberta Delle Piane</i>	211
The Italian perspective on simulation and games: An introduction	

**xvi**    *Contents*

<i>Arnaldo Cecchini</i> Simulation is education	213
<i>Alberta Delle Piane</i> GEA: Simulation game on energy and the environment	229
<i>Adriana Frisenna</i> Gaming simulation at school: Some considerations on the Italian experience	234
<i>Vieri Quilici &amp; Armando Sichenze</i> For the formation of a "Scuola romana": Guidelines for experimentation of sequential games	241
<i>Sergio Cocozza</i> The presence of irrational strategies in the repeated Prisoner's Dilemma game encourages less forgiving behaviors	250
<i>Franco Fileni</i> Educational and cognitive aspects of videogames	252
<i>Alberto Bottari</i> Gaming and/or-simulation: A problem of justification in taxonomy	261
<i>Giorgio Panizzi</i> Goals, criteria and tools of simulation game design and production	271
<i>Filippo Viola &amp; Anna Zin</i> VAGUE: Venice, an Ancient Game of Urban Evolution	274
<i>Mauro Laeng</i> Report to the 18th ISAGA congress	277