

Contents

<i>List of Figures</i>		vii
<i>List of Tables</i>		ix
<i>Notes on Contributors</i>		xi
<i>Foreword</i>		xxiii
<i>Preface</i>		xxix
Chapter 1	An Essay on the Cognitive Benefits of Stories <i>C. A. P. Smith</i>	1
FORECASTING		
Chapter 2	The Future of the Market Research Profession <i>Paul R. Messinger, and Xin Ge</i>	15
Chapter 3	Synthetic Worlds and Financial Services <i>Richard Brath, Mike Peters, Joseph MacInnes, and William Wright</i>	45
Chapter 4	A Day at a 3D Datacenter <i>Michael Osias, Joan L. Mitchell, Donna Eng Dillenberger, David Ward, and Sandra K. Johnson</i>	67
Chapter 5	Hypothesis-Testing in a Biological Cartographic Virtual World <i>John W. Bodnar, Russ Vane, and Brian Rogers</i>	79
Chapter 6	System Dynamics and Synthetic Worlds <i>Warren Tignor</i>	103
Chapter 7	Analytical World Environments <i>Vadim Slavin, Randy Stiles, and Thomas Trinko</i>	123
FORENSIC ANALYSIS		
Chapter 8	Smart, Collaborative Workspaces in the Information Ecology <i>John Miller, Greg Nuyens, John Light, and Cynthia Pickering</i>	141
Chapter 9	Synthetic Worlds in National Security Policymaking <i>Ed Waltz</i>	163
Chapter 10	Synthetic Worlds for Intelligence Analysts <i>Jeffrey G. Morrison, Kenneth W. Kisiel, and John DeBello</i>	183
Chapter 11	Augmented Reality Tools for Enhanced Forensics Simulations and Crime Scene Analysis <i>Robert Rice</i>	201
COGNITIVE AMPLIFIERS		
Chapter 12	Synthetic Worlds for On-Demand Experience <i>Kenneth W. Kisiel</i>	217

Chapter 13	Synthetic Worlds and Characters, and the Future of Creative Writing <i>Selmer Bringsjord and Alexander Bringsjord</i>	235
Chapter 14	Virtual Rehabilitation: Synthetic Worlds to Address Disabilities <i>Maria T. Schultheis, Lisa K. Simone, and Ana C. Merzagorra</i>	257
Chapter 15	Use of a Synthetic World for Negotiation and Consensus Building <i>Diana Burley</i>	275

TRAINING

Chapter 16	A Day in the Life of Airman Basic Smith <i>Peter Garretson and Nathan T. Denny</i>	291
Chapter 17	Mirror Man: A Speculative Case Study of the Synergetic Potential of Data Visualization and Virtual Worlds <i>Ben Goertzel</i>	313
Chapter 18	Turing, Androids and a Travel Holiday: A Futuristic View of Synthetic Worlds <i>Robert Cox, Patricia Crowther, and John Campbell</i>	329
Chapter 19	The Cognitive Playground: Fostering Critical and Creative Thinking with Synthetic Worlds <i>Judi McCuaig, Joe MacInnes, and William Wright</i>	347

INFRASTRUCTURE

Chapter 20	2039: A Day in the Life of a Usability Engineer <i>Theresa A. O'Connell, Elizabeth D. Murphy, and Renate Roske-Shelton</i>	365
Chapter 21	InfoSec in Synthetic Worlds: Historical Perspectives from MOOs, MUDs, and MMOGs <i>Jeffrey M. Stanton</i>	383
	<i>Index</i>	399