

Contents

<i>Acknowledgements</i>	<i>xiii</i>
<i>Foreword</i> Basic Training for the 21st Century, Marvin Cetron	<i>xv</i>
<i>Preface</i> Discovering the Forces of Transformation	<i>xix</i>
Chapter 1 Introduction: Guiding Technology's Promise	1
Part I Forecasts of the Technology Revolution	15
Chapter 2 Transition to a Sustainable World: Converting the Energy and Environment Mess into an Opportunity	17
Chapter 3 Globalization Goes High-Tech: A Worrisome World of Abundance	31
Chapter 4 Society Moves Online: The Transforming Power of Information Technology and E-Commerce	42
Chapter 5 Mastery Over Life: Promises and Perils of Biogenetics	64
Chapter 6 Faster and Farther: Building the Global Transportation System	79
Chapter 7 The Final Frontier: Preludes to Deep Space Travel	92
Part II Social Impacts of the Technology Revolution	105
Chapter 8 Shifting Structures of Society: Business, Government, and Other Institutions in a Knowledge Age	107
Chapter 9 An Age of Consciousness: The Next Phase in Technology's Promise?	125
Chapter 10 Scenarios: A Virtual Trip Through Time	146
<i>Appendix</i> The TechCast Expert Panel	162
<i>Name Index</i>	174
<i>Subject Index</i>	176