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Nota di contenuto	Cover; Title Page; Copyright; Contents; List of Acronyms; Preface; Welcome to the land of overwhelming sustainability!; How can we address the concept of sustainability?; About the authors; Acknowledgments; Introduction: Why "Transformation" Is the One Keyword; I.1. Where have we got by now?; I.2. What evolution forward?; I.3. Tackling transformation is the job; I.4. A summary of the book; I.5. What the present situation tells and the issues encountered; I.5.1. Foreword; I.5.2. Distinguishing sustainability from resilience; I.6. A main concept: toward new ways of thinking I.7. Integrating the above theories into their contextl.8. Application on an example relevant to entropy and network theory; I.9. A basket of relevant keywords; PART 1: Models That Can Aspire to be Better Suited to Future Needs; 1: Disassembling Some Traditional Views; 1.1. Time and space: past, present and future; 1.2. The (big) law of correspondence; 1.3. Intricate imbrications and their uncertainties; 1.4. Many levels: subatomic, micro, meso, macro, chrono, etc.; 2: Is Globalization, or Holism, Really a New Phenomenon?; 2.1. Some characteristics of the present globalization 2.2. A brief history of a very old concept: globalization2.3 The nature

of today's globalization; 2.4. Some features of today's globalization; 2.5. Impacts of a disruption: "catastrophe" in a global context; 2.6. Management in economy: risks and disturbances are also global; 2.7. Extending and transposing these concepts to enterprises; 2.8. Consequences: collective consciousness and behavior; 2.9. A common idea of "catastrophism" and the need for ecology; 2.10. Should we try to predict that the worst is yet to come? 2.10.1. The question is not "knowing what will happen and when", instead "what could and/or should happen" 2.10.2. Methods and tools related to conventional anticipation and prediction; 2.11. What we can conclude at this stage; 2.11.1. On process performance and governance guidance; 2.11.2. On new constraints within a networked society; 3: Underlying Disturbing Processes: Asymmetries, Coriolis and Chirality; 3.1. By way of introduction; 3.2. New ways of thinking; 3.3. Information asymmetry; 3.3.1. Symmetry and asymmetry in nature; 3.3.2. A reminder on matter, dark matter and dark energy 3.3.3. What kind of matter and dark energy? Is it an asymmetry? 3.3.4. Physical or virtual substance? Aether and "mind stuff"; 3.3.5. Asymmetry in nature: is this a novelty?; 3.4. Information asymmetry in a call center business; 3.5. General Information on asymmetry: antiglobalization corporations; 3.6. Asymmetry in communication and decision systems; 3.7. Decision-making in an asymmetric world; 3.7.1. When does asymmetry occur?; 3.7.2. Asymmetry due to mental predisposition (or soul); 3.7.3. Application; 3.8. Chirality and symmetry and their impact on structures 3.8.1. Extensions of chirality

Sommario/riassunto

This book discusses the key concepts of the technologies that underpin the drive towards sustainability in today's complex world. The authors propose an integrated view of the frontiers facing any organization nowadays – whether an enterprise, an administration or any human collective construction – that operates with a goal, a mission or an objective. While a unified approach still seems unachievable, the authors have nevertheless tackled the amalgamation of the underpinning elements (theories, domains of expertise and practice) and propose a model for assimilating the new concepts with a global view to design the sustainable organizations of the future. The book paves a way towards a general convergence theory, which will manifest, as a by-product, genuine sustainability. Furthermore, and due to the fact that the same main principles apply, the book redesigns the notion of "competitiveness", which today is too often simply reduced to profitability.
