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The Internet as a Technology-Based Ecosystem

A New Approach to the Analysis of Business, Markets and Industries

- ▶ **Presents a biological ecosystem model that draws analogies with modern information communication technology ecosystems, formulating new theories and concepts**
- ▶ **Critiques existing theories that are based on classical Newtonian principles, and thus are outdated in today's world of the Internet and digital technology**
- ▶ **Draws on material from both the natural sciences and business, including biology, geology, computer science and engineering, strategy and micro-economics**

This book examines and critiques classical approaches to strategic analysis, whilst exploring alternative methods which utilise ecosystem and platform concepts, as well as chaos and complexity theories. The innovative study provides a critique of the neoclassical Newtonian school of strategy, and proves it to be largely inappropriate as a decision-making methodology in today's internet-based market. By developing a new biological hydrothermal vent model in which analogical comparisons are made with the Information Communication Technology (ICT) sector, the chapters challenge existing paradigms of competitive advantage and analyse the extent to which the Internet can be considered to be an ecosystem in its own right. *The Internet as a Technology-Based Eco-System* offers a range of alternative models and analytical frameworks for the analysis of internet-based technology companies in the twenty-first century, creating a valuable tool for students and academics undertaking research in strategy, technology and electronic engineering.