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Nota di contenuto	Preface; Acknowledgment; Contents; 1. About Engineering Identifying a Framework; 2. Prehistoric Engineering (~106 BP~104 BP) Primal Discovery of Devices; 3. Ancient Engineering (~8000 BCE~500 CE) Societal Interest in Devices; 4. Medieval Engineering (~500 CE~1400) Societal Promotion of Devices; 5. Renascent Engineering (~1400~1800) Organizing for Device Production; 6. Expansive Engineering (~1800~1940) Environmental Impact of Devices; 7. Modern Engineering (~1940~1990) Expanding Reach of Devices; 8. Contemporary Engineering (~1990~2000+) Prospects for Closure 9. Nature: Emergence and Implications N(t) . E(t). . . 10. Engineering: Patterns and Specializations N(t) . E(t) . D(t). . . ; 11. Devices: Properties and Functions . . . E(t) . D(t) . S(t). . . ; 12. Society: Involvement and Ramifications . . . D(t) . S(t) . R(t); 13. Repository: Inventory and Projections . . . S(t) . R(t); Appendices; Appendix A Symbolic Notation; Appendix B Time Coordinates; Appendix C Ancient Inventions; Appendix D Cyclic Representations; Appendix E Bibliography; Index; About the Authors
Sommario/riassunto	Engineering represents an ordered activity of creative design

and inventive manufacture of ingenious devices. Its practitioners have thereby stimulated individuals, enlivened communities, enriched civilizations, and contributed to the shaping of cultures. The authors of this innovative text develop a systematic framework for engineering in time, making extensive use of adaptive heterogeneous progressions. When combined with considerations of feedback, feedforward, recursion, and branching, an evolving and comprehensive characterization of engineering becomes evident. It is in this blending of chrono-
