Record Nr. UNINA9910813960603321 Autore Ilachinski Andrew Titolo Artificial war: multi-based simulation of combat / / Andrew Ilachinski River Edge, NJ,: World Scientific Pub., 2004 Pubbl/distr/stampa **ISBN** 1-281-87238-5 9786611872380 981-256-240-0 Edizione [1st ed.] Descrizione fisica 1 online resource (782 p.) Disciplina 355.4/01/1 Soggetti War - Mathematical models War - Computer simulation Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Artificial War: Multiagent-Based Simulation of Combat; Foreword; Nota di contenuto Preface: Acknowledgments: Contents: Chapter 1 Introduction: Chapter 2 Nonlinear Dynamics, Deterministic Chaos and Complex Adaptive Systems: A Primer; Chapter 3 Nonlinearity, Complexity, and Warfare: Eight Tiers of Applicability: Chapter 4 EINSTein: Mathematical Overview: Chapter 5 EINSTein: Methodology; Chapter 6: Sample EINSTein:Sample Behavior; Chapter 7 Breeding Agents; Chapter 8 Concluding Remarks & Speculations: Appendix A Additional Resources: Appendix B EINSTein Homepage: Appendix C EINSTein Development Tools Appendix D Installing EINSTeinAppendix E A Concise User's Guide to EINSTein: Appendix F Differences Between EINSTein Versions 1.0 (and older) and 1.1 (and newer); Appendix G EINSTein's Data Files; Bibliography; Index Sommario/riassunto Military conflicts, particularly land combat, possess thecharacteristics of complex adaptive systems: combat forces are composed of a large number of nonlinearly interacting parts and areorganized in a dynamic command-and-control network; local action, which often appears disordered, self-organizes into long-range order; military conflicts, by their nature, proceed far from equilibrium; military forces adapt to a changing combat environment; and there isno master ""voice"" that

dictates the actions of every soldier (i.