Record Nr. UNINA9910812523703321 Autore Akera Atsushi Titolo Calculating a natural world: scientists, engineers, and computers during the rise of U.S. cold war research / / Atsushi Akera Cambridge, Mass., : MIT Press, ©2007 Pubbl/distr/stampa 1-282-09851-9 **ISBN** 0-262-26689-X 9786612098512 1-4294-7719-9 Edizione [1st ed.] Descrizione fisica 1 online resource (440 p.) Collana Inside technology Disciplina 004/.0973 Electronic data processing - United States - History Soggetti Computers - United States - History Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di bibliografia Includes bibliographical references (p. [399]-412) and index. Nota di contenuto Intro -- Preface -- Introduction -- 1 An Ecology of Knowledge: Technical and Institutional Developments in Computing, 1900-1945 --2 Biography and the Circulation of Knowledge: John Mauchly and the Origins of Electronic Computing -- 3 From Ecology to Network: John von Neumann and Postwar Negotiations over Computer-Development Research -- 4 Knowledge and Organization: Redefining Computer-Development Research at the National Bureau of Standards -- 5 Research and Rhetoric: Jay Forrester and Federal Sponsorship of Academic Research -- 6 Institutions and Border Crossings: Cuthbert Hurd and His Applied Science Field Men -- 7 Voluntarism and Occupational Identity: The IBM Users' Group, Share -- 8 Research and Education: The Academic Computing Centers at MIT and the University of Michigan -- 9 Discipline and Service: Research on Computer Time Sharing at MIT and the University of Michigan -- Conclusion -- Notes -- References -- List of Books -- Index. How the complex interplay of academic, commercial, and military Sommario/riassunto interests produced an intense period of scientific discovery and

technological innovation in computing during the Cold War.