Record Nr. UNINA9910827713103321 Autore Wisnioski Matthew H. <1978-> Titolo Engineers for change: competing visions of technology in 1960s America / / Matthew Wisnioski Cambridge, Mass., : MIT Press, 2012 Pubbl/distr/stampa **ISBN** 0-262-30426-0 1-283-70748-9 0-262-30518-6 Edizione [1st ed.] Descrizione fisica 1 online resource (305 p.) Engineering studies series Collana Disciplina 303.48/3097309046 Soggetti Technology - Social aspects - United States Technology - United States - Forecasting Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Engineering Studies Series; Contents; Series Foreword; Abbreviations; Acknowledgments; 1 Introduction; 2 From System Builders to Servants of The System; 3 Technics-Out-of-Control as a Theme in Engineering Thought; 4 The Crisis of Technology as a Crisis of Responsibility; 5 The System and Its Discontents; 6 Three Bridges to Creative Renewal; 7 Making Socio-Technologists: 8 Epilogue: Notes: References: Name Index; Subject Index Sommario/riassunto An account of conflicts within engineering in the 1960s that helped shape our dominant contemporary understanding of technological change as the driver of history. In the late 1960s an eclectic group of engineers joined the antiwar and civil rights activists of the time in agitating for change. The engineers were fighting to remake their profession, challenging their fellow engineers to embrace a more humane vision of technology. In Engineers for Change, Matthew Wisnioski offers an account of this conflict within engineering, linking it to deep-seated assumptions about technology and American life. The postwar period in America saw a near-utopian belief in technology's beneficence. Beginning in the mid-1960s, however, society--

influenced by the antitechnology writings of such thinkers as Jacques Ellul and Lewis Mumford--began to view technology in a more negative

light. Engineers themselves were seen as conformist organization men propping up the military-industrial complex. A dissident minority of engineers offered critiques of their profession that appropriated concepts from technology's critics. These dissidents were criticized in turn by conservatives who regarded them as countercultural Luddites. And yet, as Wisnioski shows, the radical minority spurred the professional elite to promote a new understanding of technology as a rapidly accelerating force that our institutions are ill-equipped to handle. The negative consequences of technology spring from its very nature--and not from engineering's failures. "Sociotechnologists" were recruited to help society adjust to its technology. Wisnioski argues that in responding to the challenges posed by critics within their profession, engineers in the 1960s helped shape our dominant contemporary understanding of technological change as the driver of history.