



## International Library of Technology A Series of Text-Books for Persons Engaged in the Engineering Professions and Trades, or for Those Who Desire INF

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 66 pages. Original publisher: Washington, D. C. : National Defense University, Institute for National Strategic Studies, 1993 OCLC Number: (OCoLC)54800229 Subject: United States -- Armed Forces -- Weapons systems. Excerpt: . . . 6 DEVELOPING BAI-ILEFIELD TECHNOLOGIES IN THE 1990s DARPA emphasizes dynamic technologies that are changing too fast to be captured adequately by traditional research and development practices. Their current main thrust is in the development and exploitation of information sciences, stressing solid state microelectronics, scalable high-performance computers, decision support systems, and integrated design and manufacturing. Other areas of effort are simulation, advanced materials, sensors, and manufac-turing processes. An example of DARPA's success was the initial development of the electronic mail network that is fast becoming the worlds main means of rapid and inex-pensive communication. DARPA funds research in universities ( about 16 percent of their 1. 6 billion for FY1992 ), government laboratories ( 11 percent ), and industry ( 60 percent ), with an absolute minimum of administrative layering through a horizontal organizational structure. Program managers are free to pursue technologies they perceive as promising and have attained a great deal of success throughout a...



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