

New & Views

Critical Technologies List

1990 가 , . "Critical Technologies List"
 (DOD), (DOC), (OSTP)
 "Critica
 Technologies List"

DOD Critical Technologies Report, Dept. of Defense for the Committees on Armed Services, U.S. Congress Mar. 15, 1990. 236p.

U.S. Dept. of Defense, Critical Technologies Plan. For the Committee on Armed Services. U.S. Congress Washington Dept. of Defense, May 1, 1991(third DOD annual critical technologies plan).

DOC, Emerging Technologies : A Survey of Technical and Economic Opportunities. Technology Administration. U.S. Dept. of Commerce, Spring 1990. 550.

AIA Technologies for the 1990s, the Aerospace Industries association, 1987.

Council on Competitiveness, Gaining New Ground : Technology Priorities for America's Future. Washington 1990. p.7 11

Report of the national Critical Technologies Panel. Washington, U.S. Govt. Print Off., Mar. 1990. 121p
 OSTP Panel

Critical Technologies Lists

①1990 DOD Critical Technologies Report	②1991 DOD Critical Technologies Plan	③DOC Emerging Technologies	④AIA Technologies for the 1990s	⑤Council on Competi- tiveness	⑥Office of Science and Technology Policy
composite materials	composite materials	advanced materials	advanced composites	advanced structural materials/ electronic and photonic materials/ materials processing	materials synthesis and processing

machine intelligence & robotics	machine intelligence and robotics	artificial intelligence	artificial intelligence	database systems	...
software producibility	software engineering/ high performance computing	high-performed computing	software developments	software	software / high-performance computing and networking
data fusion	data fusion/ signal and image processing	digital imaging technology	computational science	networks and communications/portable telecommunications equipment and systems	high-definition imaging and displays
simulation & modeling	simulation and modeling	...	...	human interface and visualization technologies	computer simulation and modeling
computational fluid dynamics	computational fluid dynamics	...	...	...	...
...	...	high density data storage	...	...	data storage and peripherals
parallel computer architectures	...	...	...	...	...
signal processing	...	...	...	...	...
...	...	...	...	computers	...
photonics	photonics	optoelectronics	optical information processing	optoelectronics components	electronics and photonics/ photonic materials/ micro electronics and optoelectronics
semiconductor materials & microelectronic circuits	semiconductor materials and microelectric circuits	advanced semiconductor devices	ultra-reliable electronic systems	microelectronics / electronic controls / electronic packaging and interconnections / information storage	ceramics/ composites
biotechnology materials & processes	biotechnology	biotechnology	...	biotechnologies	applied molecular biology / medical technology
...	...	medical devices and diagnostics	...	...	...

	flexible manufacturing	flexible, computer-integrated manufacturing		design and engineering tools/commercialization and production systems/process equipment	flexible computer integrated manufacturing/intelligent processing equipment/micro and non-fabrication/systems management technologies
superconductivity	superconductivity	superconductors	superconductivity	...	...
passive sensors	passive sensors	sensor technology	advanced sensors	...	sensors and signal processing
sensitive radars	sensitive radar	...	...	...	...
signature control	signature control	...	...	displays/hard copy technology	...
air-breathing propulsion	air-breathing propulsion	...	air-breathing propulsion	propulsion	aeronautics
pulsed power	pulsed power	...	rocket propulsion	powertrain	...
weapon system environment	weapon system environment	...	...	...	...
hypervelocity projectiles	hypervelocity projective and propulsion	...	...	...	...
high energy density materials	high energy density materials	...	...	...	high-performance metals and alloys
high energy density materials	high energy density materials	...	...	...	high-performance metals and alloys
...	...	...	...	environmental technologies	...
...	surface transportation technologies
...	energy
...	pollution minimization, remediation, and waste management

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