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NASA Tech Briefs Elsevier
Includes subject section, name section, and 1968-1970, technical reports.

Scientific and Technical Aerospace Reports Woodhead Publishing
This book presents 12 revised lectures given by top-researchers at the 5th International Symposium on Formal Methods for Components and Objects, FMCO 2006, held in Amsterdam, Netherlands in November 2006. It provides a unique combination of ideas on software engineering and formal methods that reflect the current interest in the application or development of formal methods for large scale software systems such as component-based systems and object systems.

Flammability Testing of Materials Used in Construction, Transport, and Mining Springer Science & Business Media
This two-volume set CCIS 751 and CCIS 752 constitutes the proceedings of the 17th Asia Simulation Conference, AsiaSim 2017, held in Malacca, Malaysia, in August/September 2017. The 124 revised full papers presented in this two-volume set were carefully reviewed and selected from 267 submissions. The papers contained in these proceedings address challenging issues in modeling and simulation in various fields such as embedded systems; symbiotic simulation; agent-based simulation; parallel and distributed simulation; high performance computing; biomedical engineering; big data; energy, society and economics; medical processes; simulation language and software; visualization; virtual reality; modeling and Simulation for IoT; machine

learning; as well as the fundamentals and applications of computing.

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Corporate Author: ARMSTRONG LAB WRIGHT-PATTERSON AFB OH CREW SYSTEMS DIRECTORATE Personal Author: Brinkley, James W. Perry, Chris E. Salerno, Mark D. Orzech, Mary A. Report Date: July 01, 1993 Media: 119 Pages(s) Distribution Code: 01 - APPROVED FOR PUBLIC RELEASE Report Classification: (Not Available). Source Code: 423429 From the collection: Technical 11. | Full Text pdf - 3 MB Title: Computational Analysis of High-Speed Ejection Seats AD Number: ADA290328 Corporate Author: NIELSEN ENGINEERING AND RESEARCH INC MOUNTAIN CA Personal Author: Caruso, Steven C. Mendenhall, Michael R. Report Date: April 20, 1991 Media: 86 Pages(s) Distribution Code: 01 - APPROVED FOR PUBLIC RELEASE Report Classification: (Not Available). Source Code: 389783 From the collection: Technical 12. | Full Text pdf - 1 MB Title: Development of an Inflatable Head/Neck Restraint System for Ejection Seats (Update) AD Number: ADA067124 Corporate Author: NAVAL AIR DEVELOPMENT CENTER WARMINSTERPA AIRCRAFT AND CREW SYSTEMS TECHNOLOGY DIRECTORATE Personal Author: Zenobi, Thomas J. Report Date: December 19, 1978 Media: 36 Pages(s) Distribution Code: 01 - APPROVED FOR PUBLIC RELEASE Report Classification: (Not Available). Source Code: 393532 From the collection: Technical 13. | Full Text pdf - 1 MB Title: Development of an Inflatable Head/Neck Restraint System for Ejection Seats AD Number: ADA038762 Corporate Author: NAVAL AIR DEVELOPMENT CENTER WARMINSTERPA CREW SYSTEMS DEPT Personal Author: Zenobi, Thomas J. Report Date: February 28, 1977 Media: 32 Pages(s) Distribution Code: 01 - APPROVED FOR PUBLIC RELEASE Report Classification: (Not Available). Source Code: 406610 From the collection: Technical 14. | Full Text pdf - 8 MB Title: EJECTION SEAT TESTS CONDUCTED ON THE 10,000 FOOT AERODYNAMIC RESEARCH TRACK AT EDWARDS AIR FORCE BASE AD Number: AD0142103 Corporate Author: AIR FORCE FLIGHT DYNAMICS LAB WRIGHT-PATTERSON AFB OH Personal Author: HODELL, C. K. ROSNER, A. H. Report Date: November 01, 1957 Media: 93 Pages(s) Distribution Code: 01 - APPROVED FOR PUBLIC RELEASE Report Classification: (Not Available). Source Code: 012070 From the collection: Technical 15. | Full Text pdf - 1 MB Title: Footrests on Upward Ejection Seats AD Number: ADA075860 Corporate Author: WRIGHT AIR DEVELOPMENT CENTER WRIGHT-PATTERSON AFB OH

Personal Author: Rothwell, Walter S. Sperry, Edward G. Report Date: September 01, 1952 Media: 21 Pages(s) Distribution Code: 01 - APPROVED FOR PUBLIC RELEASE Report Classification: (Not Available). Source Code: 400358 From the collection: Technical 16. | Full Text pdf - 2 MB Title: Biomedical Re of Aircrew Weight as a Risk Factor in CT 133 and CT 114 Ejections: 1970 - 1998 AD Number: ADA385589 Corporate Author: DEFENCE AND CIVIL INST OF ENVIRONMENTALMEDICINE DOWNS (ONTARIO) Personal Author: Wright, H. L. Salisbury, D. A. Bateman, W. A. Report Date: August 15, 2000 Media: 35 Pages(s) Distribution Code: 01 - APPROVED FOR PUBLIC RELEASE Report Classification: (Not Available). Source Code: 406986 From the collection: Technical Report 17. | Full Text pdf - 4 MB Title: Analysis of Incidents of Crew Ejection from Selected U.S. Tactical Fighter Aircraft AD Number: ADA372970 Corporate Author: INSTITUTE FOR DEFENSE ANALYSES ALEXANDRIA VA Personal Author: Schwartz, Joshua A. Woolsey, James P. Nelson, J. Richard Report Date: November 01, 1999 Media: 94 Pages(s) Distribution Code: 01 - APPROVED FOR PUBLIC RELEASE Report Classification: (Not Available). Source Code: 179350 From the collection: Technical 18. | Full Text pdf - 1 MB Title: Dynamic Strength Capabilities of Small Stature Females to Eject and Support Added Head Weight. AD Number: ADA367876 Corporate Author: NAVAL AIR WARFARE CENTER AIRCRAFT DIV PATUXENT RIVER MD Personal Author: Shender, Barry Heffner, Peggy Report Date: August 03, 1999 Media: 37 Pages(s) Distribution Code: 01 - APPROVED FOR PUBLIC RELEASE Report Classification: (Not Available). Source Code: 424295 From the collection: Technical 19. | Full Text pdf - 595 KB Title: USN/USMC Ejection Seat Equipped Aircraft Anthropometric Accommodation AD Number: ADA377912 Corporate Author: NAVAL AIR WARFARE CENTER AIRCRAFT DIV PATUXENT RIVER MD Personal Author: Kennedy, Greg Report Date: January 01, 1999 Media: 14 Pages(s) Distribution Code: 01 - APPROVED FOR PUBLIC RELEASE Report Classification: (Not Available). Source Code: 424295 From the collection: Technical 20. | Full Text pdf - 536 KB Title: The Use of Ejection Simulation in Mishap Investigations AD Number: ADA368764 Corporate Author: NAVAL AIR WARFARE CENTER AIRCRAFT DIV PATUXENT RIVER MD Personal

Author: Nichols, Jeffrey P. Report Date: September 10, 1998 Media: 9 Pages(s) Distribution Code: 01 - APPROVED FOR PUBLIC RELEASE Report Classification: (Not Available). Source Code: 424295 From the collection: Technical 21. | Full Text pdf - 6 MB Title: +GZ Impact Tests of the Large JPATS Manikin in a Simulated Martin-Baker Ejection Seat. AD Number: ADA344944 Corporate Author: ARMSTRONG LAB WRIGHT-PATTERSON AFB OH BIODYNAMICS AND BIOCOMMUNICATIONS DIV Personal Author: Buhrman, John R. Report Date: October 01, 1997 Media: 179 Pages(s) Distribution Code: 01 - APPROVED FOR PUBLIC RELEASE Report Classification: (Not Available). Source Code: 423430 From the collection: Technical 22. | Full Text pdf - 3 MB Title: Small Aircrew Ejection Simulation in U.S. Navy Aircraft. AD Number: ADA311652 Corporate Author: NAVAL AIR WARFARE CENTER AIRCRAFT DIV WARMINSTER PA Personal Author: Nichols, Jeffrey P. Quartuccio, John J. Marquette, Thomas J. Report Date: January 01, 1996 Media: 79 Pages(s) Distribution Code: 01 - APPROVED FOR PUBLIC RELEASE Report Classification: (Not Available). Source Code: 424688 From the collection: Technical

23. | Full Text pdf - 318 KB Title: Development and Testing of a New Reefing System to Reduce Parachute Opening Shock Characteristics During Seat Ejection AD Number: ADA395743 Corporate Author: SYSTEMS RESEARCH LABS INC DAYTON OH Personal Author: Brinkman, John C. Report Date: November 01, 1992 Media: 7 Pages(s) Distribution Code: 01 - APPROVED FOR PUBLIC RELEASE Report Classification: (Not Available). Source Code: 340400 From the collection: Technical 24. | Full Text pdf - 1 MB Title: Tight Ribbon Arm Protection (TRAP) for Aircrewman Ejection AD Number: ADA150464 Corporate Author: NAVAL AIR DEVELOPMENT CENTER WARMINSTERPA AIRCRAFT AND CREW SYSTEMS TECHNOLOGY DIRECTORATE Personal Author: Lorch, Dan Schultz, Michael Report Date: July 01, 1984 Media: 25 Pages(s) Distribution Code: 01 - APPROVED FOR PUBLIC RELEASE Report Classification: (Not Available). Source Code: 393532 From the collection: Technical 25. | Full Text pdf - 825 KB Title: Development of a Supported Airbag Ejection Restraint (SABER) for Windblast Protection AD Number: ADA109807 Corporate Author: NAVAL AIR DEVELOPMENT CENTER WARMINSTERPA AIRCRAFT AND CREW

SYSTEMS TECHNOLOGY DIRECTORATE Personal
Author: Lorch, Dan Report Date: November 04,
1981 Media: 21 Pages(s) Distribution Code:
01 - APPROVED FOR PUBLIC RELEASE Report
Classification: (Not Available). Source
Code: 393532 From the collection: Technical
26. | Full Text pdf - 1 MB Title: Simulation
of the Motion of the Center of Mass of an
Occupant under Ejection Accelerations AD
Number: ADA113806 Corporate Author: NAVAL
AIR DEVELOPMENT CENTER WARMINSTERPA AIRCRAFT
AND CREW SYSTEMS TECHNOLOGY DIRECTORATE
Personal Author: D'Aulerio, Louis A. Frisch,
Georg D. Report Date: September 01, 1981
Media: 45 Pages(s) Distribution Code: 01 -
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Classification: (Not Available). Source
Code: 393532 From the collection: Technical
27. | Full Text pdf - 422 KB Title: Non-
Fatal Ejection Vertebral Fracture and its
Prevention AD Number: ADA395716 Corporate
Author: NAVAL AEROSPACE MEDICAL RESEARCH LAB
DETACHMENT MICHOUD NEW ORLEANS LA Personal
Author: Ewing, Channing L. Report Date:
January 01, 1972 Media: 8 Pages(s)
Distribution Code: 01 - APPROVED FOR PUBLIC
RELEASE Report Classification: (Not
Available). Source Code: 391221 From the

collection: Technical

Hazardous Materials, Personnel Protection Manual Springer Science & Business Media

Explore the Important Role that the Semantics of Land Use and Land Cover Plays within a Broader Environmental Context Focused on the information semantics of land use and land cover (LULC) and providing a platform for reassessing this field, Land Use and Land Cover Semantics: Principles, Best Practices, and Prospects presents a comprehensive overview of fundamental theories and best practices for applying semantics in LULC. Developed by a team of experts bridging relevant areas related to the subject (LULC studies, ontology, semantic uncertainty, information science, and earth observation), this book encourages effective and critical uses of LULC data and considers practical contexts where LULC semantics can play a vital role. The book includes work on conceptual and technological semantic practices, including but not limited to categorization; the definition of criteria for sets and their members; metadata; documentation for data reuse; ontology logic restrictions; reasoning from text sources; and explicit semantic specifications, ontologies, vocabularies, and design patterns. It also includes use cases from applicable semantics in searches, LULC classification, spatial analysis and visualization, issues of Big Data, knowledge infrastructures and their organization, and integration of bottom-up and top-down approaches to collaboration frameworks and interdisciplinary challenges such as EarthCube. This book: Centers on the link between planning goals, objectives, and policy and land use classification systems Uses examples of maps and databases to

draw attention to the problems of semantic integration of land use/cover data Discusses the principles used in a categorization Explores the origins and impacts of semantic variation using the example of land cover Examines how crowd science and human perceptions can be used to improve the quality of land cover datasets, and more Land Use and Land Cover Semantics: Principles, Best Practices, and Prospects offers an up-to-date account of land use/land cover semantics, looks into aspects of semantic data modeling, and discusses current approaches, ongoing developments, and future trends. The book provides guidance to anyone working with land use or land cover data, looking to harmonize categories, repurpose data, or otherwise develop or use LULC datasets.

Behavioral Accident Simulator Computer Program User Guide and Technical Reference Manual MIT Press

Over the past several years, embedded systems have emerged as an integral though unseen part of many consumer, industrial, and military devices. The explosive growth of these systems has resulted in embedded computing becoming an increasingly important discipline. The need for designers of high-performance, application-specific computing systems has never been greater, and many universities and colleges in the US and worldwide are now developing advanced courses to help prepare their students for careers in embedded computing. High-Performance Embedded Computing: Architectures, Applications, and Methodologies is the first book designed to address the needs of advanced students and industry professionals. Focusing on the unique complexities of embedded system design, the book provides a detailed look at advanced topics in the field, including multiprocessors, VLIW and superscalar architectures, and power consumption. Fundamental challenges in embedded computing are described, together with design methodologies and models of computation. HPEC provides an in-depth and advanced treatment of all the components of embedded systems, with discussions of the current developments in the field and numerous examples of real-world applications. Covers advanced topics in embedded computing, including multiprocessors, VLIW and superscalar architectures, and power consumption Provides in-depth coverage of networks, reconfigurable systems, hardware-software co-design, security, and program analysis Includes examples of many real-world embedded computing applications (cell phones, printers, digital video) and architectures (the Freescale Starcore, TI OMAP multiprocessor, the TI C5000 and C6000 series, and others)

Current Catalog Springer Science & Business Media

Component-based software development is the next step after object-oriented programming that promises to reduce complexity and improve reusability. These advantages have also been identi?ed by the industry, and consequently, over the past years, a large number of component-based techniques and processes have been adopted in many of these organizations. A visible result of this is the number of component models that have been developed and standardized. These models de?ne how individual software components interact with each other and simplify the design process of software systems by allowing developers to choose from previously existing components. The development of component models is a ?rst step in the right direction, but there are many challenges that cannot be solved by the development of a new component model alone. Such challenges are the adaptation of components, and their development and veri?cation. Software Composition is the premiere workshop to advance the research in component-based software engineering and its related ?elds. SC 2005 was the fourth workshop in this series. As in previous years, SC 2005 was organized as an event co-located with the ETAPS conference. This year's program consisted of a keynote on the revival of dynamic l-guages given by Prof. Oscar Nierstrasz and 13 technical paper

presentations (9 full and 4 short papers). The technical papers were carefully selected from a total of 41 submitted papers. Each paper was thoroughly peer reviewed by at leastthreemembers oftheprogramcommittee andconsensusonacceptancewas achieved by means of an electronic PC discussion. This LNCS volume contains the revised versions of the papers presented at SC 2005.

1960 Censuses of Population and Housing Jeffrey Frank Jones
This book constitutes the refereed proceedings of the 4th International Conference on Pattern Recognition and Machine Intelligence, PReMI 2011, held in Moscow, Russia in June/July 2011. The 65 revised papers presented together with 5 invited talks were carefully reviewed and selected from 140 submissions. The papers are organized in topical sections on pattern recognition and machine learning; image analysis; image and video information retrieval; natural language processing and text and data mining; watermarking, steganography and biometrics; soft computing and applications; clustering and network analysis; bio and chemo analysis; and document image processing.

Processor Design Springer Nature
This 4-Volume-Set, CCIS 0251 - CCIS 0254, constitutes the refereed proceedings of the International Conference on Informatics Engineering and Information Science, ICIEIS 2011, held in Kuala Lumpur, Malaysia, in November 2011. The 210 revised full papers presented together with invited papers in the 4 volumes were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on e-learning, information security, software engineering, image processing, algorithms, artificial intelligence and soft computing, e-commerce, data mining, neural networks, social networks, grid computing, biometric technologies, networks, distributed and parallel computing, wireless networks, information and data management, web applications and software systems, multimedia, ad hoc networks, mobile computing, as well as miscellaneous topics in digital information and communications.

Technical Reports Awareness Circular : TRAC. Springer
This book constitutes the thoroughly refereed post-workshop proceedings of the 23rd International Workshop on Security Protocols, held in Cambridge, UK, in March/April 2015. After an introduction the volume presents 18 revised papers each followed by a revised transcript of the presentation and ensuing discussion at the event. The theme of this year's workshop is "Information Security in Fiction and in Fact".

Software Composition Springer Science & Business Media
Here is an extremely useful book that provides insight into a number of different flavors of processor architectures and their design, software tool generation, implementation, and verification. After a brief introduction to processor architectures and how processor designers have sometimes failed to deliver what was expected, the authors introduce a generic flow for embedded on-chip processor design and start to explore the vast design space of on-chip processing. The authors cover a number of different types of processor core.

Software Development Tools Springer
Includes Part 1, Number 2: Books and Pamphlets, Including Serials and Contributions to Periodicals July - December)

Catalog of Copyright Entries. Third Series CRC Press
The fundamental purpose of this handbook is to raise awareness about environmental impacts of fire and fire suppression, primarily within the fire engineering and firefighting communities, but also within the environmental engineering and planning disciplines. The Handbook provides readers with a fundamental understanding of the problem and its magnitude and includes a set of tools and methods for assessing environmental, social and financial impacts, and a set of tools for identifying and selecting appropriate mitigation options.

Modeling, Design and Simulation of Systems CRC Press
A history of urban travel demand modeling (UTDM) and its enormous influence on American life from the 1920s to the present. For better and worse, the automobile has been an integral part of the American

way of life for decades. Its ascendance would have been far less spectacular, however, had engineers and planners not devised urban travel demand modeling (UTDM). This book tells the story of this irreplaceable engineering tool that has helped cities accommodate continuous rise in traffic from the 1950s on. Beginning with UTDM's origins as a method to help plan new infrastructure, Konstantinos Chatzis follows its trajectory through new generations of models that helped make optimal use of existing capacity and examines related policy instruments, including the recent use of intelligent transportation systems. Chatzis investigates these models as evolving entities involving humans and nonhumans that were shaped through a specific production process. In surveying the various generations of UTDM, he delves into various means of production (from tabulating machines to software packages) and travel survey methods (from personal interviews to GPS tracking devices and smartphones) used to obtain critical information. He also looks at the individuals who have collectively built a distinct UTDM social world by displaying specialized knowledge, developing specific skills, and performing various tasks and functions, and by communicating, interacting, and even competing with one another. Original and refreshingly accessible, Forecasting Travel in Urban America offers the first detailed history behind the thinkers and processes that impact the lives of millions of city dwellers every day.

Management Consequences of Alternative Harvesting and Residue Treatment Practices

Flammability Testing of Materials used in Construction, Transport, and Mining, Second Edition provides an authoritative guide to current best practice in ensuring fire-safe design. The book begins by discussing the fundamentals of flammability, measurement techniques, and the main types of fire tests for various applications. Building on this foundation, a group of chapters then reviews tests for key materials used in the building, transport, and mining sectors. There are chapters on wood products, external cladding, and sandwich panels as well as the flammability of walls and ceilings linings. Tests for upholstered furniture and mattresses, cables, and electrical appliances are also reviewed. A final group of chapters discusses fire tests for the transport sector, including those for railway passenger cars, aircraft, road and rail tunnels, ships, and submarines. There is also a chapter on tests for spontaneous ignition of solid materials. With its distinguished international team of contributors, Flammability Testing of Materials used in Construction, Transport, and Mining is an invaluable reference for fire safety, civil, chemical, mechanical, mining and transport engineers. In this revised edition, the latest information is provided on fire testing of products, systems, components, and materials used across these essential sectors, with all regulations and standards brought up to date. Relays all new developments in fire safety standards, regulations and performance requirements Covers a broad range of infrastructure sectors such as construction, transport, and mining Updated to include cutting-edge fire tests and the latest iteration of standards including ISO, ASTM, and EN

Publication Catalog of the U.S. Department of Health and Human Services

This book describes a cross-domain architecture and design tools for networked complex systems where application subsystems of different criticality coexist and interact on networked multi-core chips. The architecture leverages multi-core platforms for a hierarchical system

perspective of mixed-criticality applications. This system perspective is realized by virtualization to establish security, safety and real-time performance. The impact further includes a reduction of time-to-market, decreased development, deployment and maintenance cost, and the exploitation of the economies of scale through cross-domain components and tools. Describes an end-to-end architecture for hypervisor-level, chip-level, and cluster level. Offers a solution for different types of resources including processors, on-chip communication, off-chip communication, and I/O. Provides a cross-domain approach with examples for wind-power, health-care, and avionics. Introduces hierarchical adaptation strategies for mixed-criticality systems Provides modular verification and certification methods for the seamless integration of mixed-criticality systems. Covers platform technologies, along with a methodology for the development process. Presents an experimental evaluation of technological results in cooperation with industrial partners. The information in this book will be extremely useful to industry leaders who design and manufacture products with distributed embedded systems in mixed-criticality use-cases. It will also benefit suppliers of embedded components or development tools used in this area. As an educational tool, this material can be used to teach students and working professionals in areas including embedded systems, computer networks, system architecture, dependability, real-time systems, and avionics, wind-power and health-care systems.

Monthly Catalog of United States Government Publications
Publishes in-depth articles on labor subjects, current labor statistics, information about current labor contracts, and book reviews.

Land Use and Land Cover Semantics

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Technical Reference Handbook