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LEWIS GONZALEZ

The Civil-military Gap in the United States Random House

This book provides techniques to produce robust, stable and useable solutions to problems of H-infinity and H2 control in high-performance, non-linear systems for the first time. The book is of importance to control designers working in a variety of industrial systems. Case studies are given and the design of nonlinear control systems of the same caliber as those obtained in recent years using linear optimal and bounded-norm designs is explained.

Advances in Military Textiles and Personal Equipment Springer

This is an examination and an analysis of the systems of recruitment, selection, education and training for junior officers in the British Armed Forces. It is a study based around four core institutions: The Royal Military Academy, Sandhurst, The Britannia Royal Naval College, Dartmouth, the Department of Initial Officer Training, Royal Air Force College, Cranwell and the Officers Training Wing, Commando Training Centre, Royal Marines, Lympstone. The conclusions reveal the enduring dilemmas involved in the preparation of officer aspirants for entry to the British military profession.

Military Intelligence CRC Press

This book examines the human factors issues associated with the development, testing, and implementation of helmet-mounted display technology in the 21st Century Land Warrior System. Because the framework of analysis is soldier performance with the system in the full range of environments and missions, the book discusses both the military context and the characteristics of the infantry soldiers who will use the system. The major issues covered include the positive and negative effects of such a display on the local and global situation awareness of the individual soldier, an analysis of the visual and psychomotor factors associated with each design feature, design considerations for auditory displays, and physical sources of stress and the implications of the display for affecting the soldier's workload. The book proposes an innovative approach to research and testing based on a three-stage strategy that begins in the laboratory, moves to controlled field studies, and culminates in operational testing.

Designing for Situation Awareness Designing for Situation Awareness An Approach to User-Centered

Design

Provides a Comprehensive Introduction to Aircraft Design with an Industrial Approach This book introduces readers to aircraft design, placing great emphasis on industrial practice. It includes worked out design examples for several different classes of aircraft, including Learjet 45, Tucano Turboprop Trainer, BAe Hawk and Airbus A320. It considers performance substantiation and compliance to certification requirements and market specifications of take-off/landing field lengths, initial climb/high speed cruise, turning capability and payload/range. Military requirements are discussed, covering some aspects of combat, as is operating cost estimation methodology, safety considerations, environmental issues, flight deck layout, avionics and more general aircraft systems. The book also includes a chapter on electric aircraft design along with a full range of industry standard aircraft sizing analyses. Split into two parts, Conceptual Aircraft Design: An Industrial Approach spends the first part dealing with the pre-requisite information for configuring aircraft so that readers can make informed decisions when designing vessels. The second part devotes itself to new aircraft concept definition. It also offers additional analyses and design information (e.g., on cost, manufacture, systems, role of CFD, etc.) integral to conceptual design study. The book finishes with an introduction to electric aircraft and futuristic design concepts currently under study. Presents an informative, industrial approach to aircraft design Features design examples for aircraft such as the Learjet 45, Tucano Turboprop Trainer, BAe Hawk, Airbus A320 Includes a full range of industry standard aircraft sizing analyses Looks at several performance substantiation and compliance to certification requirements Discusses the military requirements covering some combat aspects Accompanied by a website hosting supporting material Conceptual Aircraft Design: An Industrial Approach is an excellent resource for those designing and building modern aircraft for commercial, military, and private use.

Confidence Building Measures In The Middle East Cambridge University Press

This key volume provides in-depth analysis of the inter-Korean and international dynamics of North Korea's nuclear crisis. It offers new insights into the six-party talks designed to resolve the crisis, suggests creative formulas to resolve the ongoing crisis and delves into the interests and policies of the major powers at the six-party negotiating table.

Hearings on National Defense Authorization Act for Fiscal Year 1993--H.R. 5006 and Oversight of

Previously Authorized Programs Before the Committee on Armed Services, House of Representatives, One Hundred Second Congress, Second Session CRC Press

This book provides a complete overview of the theory, design, and applications of unmanned aerial vehicles. It covers the basics, including definitions, attributes, manned vs. unmanned, design considerations, life cycle costs, architecture, components, air vehicle, payload, communications, data link, and ground control stations. Chapters cover types and civilian roles, sensors and characteristics, alternative power, communications and data links, conceptual design, human machine interface, sense and avoid systems, civil airspace issues and integration efforts, navigation, autonomous control, swarming, and future capabilities.

The Gallup Poll Elsevier

This volume explores decision-making styles, including cooperative, collaborative, avoidant, competitive, and dominate that are commonly modified by the culture. Culture is not a stagnant phenomenon, and many variables need to be considered to accurately evaluate cultural differences in decision-making styles. Among many cultural factors, the individual ("I" culture) - collectivism ("we" culture) dimension is one of the most important influential factors to be considered when studying culture difference, including decision-making styles.

Fiscal Year 1988 Military Construction Overview Routledge

Enhancing Situation Awareness (SA) is a major design goal for projects in many fields, including aviation, ground transportation, air traffic control, nuclear power, and medicine, but little information exists in an integral format to support this goal. Designing for Situation Awareness helps designers understand how people acquire and interpret information in complex settings and recognize the factors that undermine this process. Designing to support operator SA reduces the incidence of human error, which has been found to occur largely due to failures in SA. Whereas many previous human factors efforts have focused on design at the perceptual and surface feature level, SA-oriented design focuses on the operator's information needs and cognitive processes as they juggle to integrate information from many sources and achieve multiple competing goals. Thus it addresses design from a system's perspective. By applying theoretical and empirical information on SA to the system design process, human factors practitioners can create designs to support SA across a wide variety of domains and design issues. This book serves as a helpful reference to that end.

Military Standard CRC Press

Helicopters are highly capable and useful rotating-wing aircraft with roles that encompass a variety of civilian and military applications. Their usefulness lies in their unique ability to take off and land vertically, to hover stationary relative to the ground, and to fly forward, backward, or sideways.

These unique flying qualities, however, come at a high cost including complex aerodynamic problems, significant vibrations, high levels of noise, and relatively large power requirements compared to fixed-wing aircraft. This book, written by an internationally recognized expert, provides a thorough, modern treatment of the aerodynamic principles of helicopters and other rotating-wing vertical lift aircraft. Every chapter is extensively illustrated and concludes with a bibliography and homework problems. Advanced undergraduate and graduate students, practising engineers, and researchers will welcome this thorough and up-to-date text on rotating-wing aerodynamics.

Military Construction Appropriations for 1996 Routledge

The multilateral Open Skies Treaty was signed in 1992 (although it did not enter into force until 2002) and covers all NATO and former Warsaw Treaty members, including the main successor states to the former Soviet Union. The treaty enables states to overfly and observe the territory of one another, as part of the process of verifying and monitoring arms control agreements. As the imagery taken during observation flights is accessible to all parties, the treaty places all members on an equal footing and requires crews of the inspecting and inspected states to work closely together. This publication, based on research carried out during 1995-2000, examines the concept of the Open Skies regime and prospects for its future adaptation, taking into account current international security needs and technological possibilities.

Hearings Before a Subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Fourth Congress, First Session UN

The right clothing and equipment is of vital importance to the survival and effectiveness of military personnel. Advances in military textiles and personal equipment summarises key research on the design, manufacture and applications of military textiles. Beginning with an overview of design issues, part one explores anthropometric methods, psychological, colour and camouflage issues related to the successful design of military textiles. Materials and design issues in military helmets, footwear and hand wear are also reviewed. Part two goes on to consider applications of particular types of military clothing and equipment, including optimisation of body armour design, high performance ballistic protection using polymer nanocomposite technology as well as advances in materials and modelling of chemical, biological, radiological and nuclear protective clothing. Finally, Advances in military textiles and personal equipment looks specifically at designing load carriage and advanced hydration systems for military personnel. With its distinguished editor and international team of expert contributors, Advances in military textiles and personal equipment is an invaluable resource for all those working in the design, manufacture and production of military clothing and equipment, as well as for the defence industry itself. Summarises key research on the design, manufacture and applications of military textiles Begins with an overview of the issues related to the successful design of military textiles and reviews materials and design issues in military helmets, footwear and hand wear Sections consider applications of particular types of military clothing and equipment, including optimisation of body armour design, and discusses advances in materials and modelling of chemical, biological, radiological and nuclear protective clothing

Tactical Display for Soldiers Wiley

You don't have to be born confident. You can learn to be confident. Here's how. Dr Nate Zinsser works with the cream of the US military to prepare them mentally for leadership and for action. He also trains top sportsmen and women to develop the self-belief essential for world-class performance. Now he shares the tried and tested techniques he has perfected over many years to help anyone who wants to acquire the confidence that will enable them to perform at their very best, whatever the environment, however stressful the situation. In the process he shows how to make positive use of nervousness, what acquiring a 'success cycle' involves, and why self-assurance, like all skills, requires constant practice. Drawing on the latest research, and packed with

real-life examples, this is a supremely practical - and inspirational - guide to achieving bullet-proof confidence.

Recruiter Journal National Academies Press

What is the potential for a divergence in views among civilian and military elites (sometimes referred to as the civil-military gap) to undermine military effectiveness? Although a variety of differences were found among the views of military and civilian survey respondents, these differences mostly disappeared when the authors focused on the attitudes that are pertinent to civilian control of the military and military effectiveness.

Advances in Design for Cross-Cultural Activities Ashgate Publishing, Ltd.

This book focuses on the human aspects of wearable technologies and game design, which are often neglected. It shows how user centered practices can optimize wearable experience, thus improving user acceptance, satisfaction and engagement towards novel wearable gadgets. It describes both research and best practices in the applications of human factors and ergonomics to sensors, wearable technologies and game design innovations, as well as results obtained upon integration of the wearability principles identified by various researchers for aesthetics, affordance, comfort, contextual-awareness, customization, ease of use, ergonomics, intuitiveness, obtrusiveness, information overload, privacy, reliability, responsiveness, satisfaction, subtlety, user friendliness and wearability. The book is based on the AHFE 2018 Conference on Human Factors and Wearable Technologies and the AHFE 2018 Conference on Human Factors in Game Design and Virtual Environments , held on July 21-25, 2018 in Orlando, Florida, and addresses professionals, researchers, and students dealing with the human aspects of wearable, smart and/or interactive technologies and game design research.

Open Skies Routledge

Designing for Situation Awareness An Approach to User-Centered Design CRC Press

Military Construction Appropriations for 1972 Rowman & Littlefield

The four-volume set LNCS 11583, 11584, 11585, and 11586 constitutes the proceedings of the 8th International Conference on Design, User Experience, and Usability, DUXU 2019, held as part of the 21st International Conference, HCI International 2019, which took place in Orlando, FL, USA, in July 2019. The total of 1274 papers and 209 posters included in the 35 HCII 2019 proceedings volumes was carefully reviewed and selected from 5029 submissions. DUXU 2019 includes a total of 167 regular papers, organized in the following topical sections: design philosophy; design theories, methods, and tools; user requirements, preferences emotions and personality; visual DUXU; DUXU for novel interaction techniques and devices; DUXU and robots; DUXU for AI and AI for DUXU; dialogue, narrative, storytelling; DUXU for automated driving, transport, sustainability and smart cities; DUXU for cultural heritage; DUXU for well-being; DUXU for learning; user experience evaluation methods and tools; DUXU practice; DUXU case studies.

Special Trust and Confidence Springer Science & Business Media

This work is the only complete compilation of polls taken by the Gallup Organization, the world's most reliable and widely quoted research firm, in calendar year 2016. It is an invaluable tool for ascertaining the pulse of American public opinion as it evolves over the course of a given year, and—over time—documents changing public perceptions of crucial political, economic, and societal issues. It is a necessity for any social science research.

Conceptual Aircraft Design Rand Corporation

This book presents the debate on the test ban issue. Its first goal is agreement on effective verification measures to make it possible to ratify the Threshold Test Ban Treaty and the Peaceful Nuclear Explosions Treaty.

A Cooperative Approach to Military Transparency and Confidence Building Springer
Military Review