

Ocfa 2015 Shift Calendar

Contemporary Ergonomics and Human Factors 2015 Mechanics And Mechatronics (Icmm2015) - Proceedings Of The 2015 International Conference Design, Manufacturing And Mechatronics - Proceedings Of The 2015 International Conference (Icdmm2015) Advances in Asian Mechanism and Machine Science Proceedings of the 20th Congress of the International Ergonomics Association (IEA 2018) Smart Electric and Hybrid Vehicles Sleep and its Disorders An Introduction to Applied Cognitive Psychology Handbook of Military Psychology Kelly Vana's Nursing Leadership and Management NSCA'S Essentials of Tactical Strength and Conditioning Sleep Health and Measures Information Technology and Intelligent Transportation Systems Ergonomic Workplace Design for Health, Wellness, and Productivity Electronics & Communication Engineering Vol.-2 Mental Health Intervention and Treatment of First Responders and Emergency Workers Health Care in Crisis Legislative Synopsis and Digest ... Proceedings of China SAE Congress 2023: Selected Papers Stress in Policing Sarah Sharples A Mehran Shabbosseini A Mehran Shabbosseini Nguyen Van Khang Sebastiano Bagnara Arif I. Sarwat Allan I. Pack David Groome Stephen V. Bowles Patricia Kelly Vana NSCA-National Strength & Conditioning Association Runtang Meng Xiangmo Zhao Alan Hedge YCT Expert Team Bowers, Clint A. Theresa Morris Illinois. General Assembly China Society of Automotive Engineers Ronald J. Burke

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ergonomics and human factors is the discipline concerned with the application of scientific knowledge to improve people's interaction with products systems and environments this book presents the proceedings of the international conference ergonomics and human factors 2015 the 29th year in which a volume in the contemporary ergonomics series has

this proceedings brings together one hundred and fifty two selected papers presented at the 2015 international conference on mechanics and mechatronics icmm 2015 which was held in changsha hunan china during march 13 15 2015 icmm 2015 focuses on 7 main areas applied mechanics mechanical engineering instrumentation automation and robotics computer information processing and civil engineering experts in this field from eight countries including china south korea taiwan japan malaysia hong kong indonesia and saudi arabia contributed to the collection of research results and developments icmm 2015 provides an excellent international platform for researchers to share their knowledge and results in theory methodology and applications of applied mechanics and mechatronics all papers selected to this proceedings were subject to a rigorous peer review process by at least two independent peers the papers are selected based on innovation organization and quality of presentation

this book brings together one hundred and seventy nine selected papers presented at the 2015 international conference on design manufacturing and mechatronics icdmm2015 which was successfully held in wuhan china during april 17 18 2015 the icdmm2015 covered a wide range of fundamental studies technical innovations and industrial applications in advanced design and manufacturing technology automation and control system communication system and computer network signal and image

processing data processing and intelligence system applied material and material processing technology power and energy technology and methods for measure test detection and monitoring applied mechatronics technology and methods for ship navigation and safety and other engineering topics all papers selected here were subjected to a rigorous peer review process by at least two independent peers the papers were selected based on innovation organization and quality of presentation the proceedings should be a valuable reference for scientists engineers and researchers interested in design manufacturing and mechatronics as well as graduate students working on related technologies

this book presents the proceedings of the 6th iftomm asian mechanisms and machine science conference asian mms held in hanoi vietnam on december 15 18 2021 it includes peer reviewed papers on the latest advances in mechanism and machine science discussing topics such as biomechanical engineering computational kinematics the history of mechanism and machine science gearing and transmissions multi body dynamics robotics and mechatronics the dynamics of machinery tribology vibrations rotor dynamics and vehicle dynamics a valuable up to date resource it offers an essential overview of the subject for scientists and practitioners alike and will inspire further investigations and research

this book presents the proceedings of the 20th congress of the international ergonomics association iea 2018 held on august 26 30 2018 in florence italy by highlighting the latest theories and models as well as cutting edge technologies and applications and by combining findings from a range of disciplines including engineering design robotics healthcare management computer science human biology and behavioral science it provides researchers and practitioners alike with a comprehensive timely guide on human factors and ergonomics it also offers an excellent source of innovative ideas to stimulate future discussions and developments aimed at applying knowledge and techniques to optimize system performance while at the same time promoting the health safety and wellbeing of individuals the proceedings include papers from researchers and practitioners scientists and physicians institutional leaders managers and policy makers that contribute to constructing the human factors and ergonomics approach across a variety of methodologies domains and productive sectors this volume includes papers addressing musculoskeletal disorders

thorough reference on technologies designs and strategies for electric and hybrid electric vehicles featuring contributions from international experts designed for readers who need to review different types of electric and hybrid vehicle designs and strategies in a single book smart electric and hybrid vehicles advancements in materials design technologies and modeling provides a broad overview of the field with additional resources to explore individual topics in greater depth abstracts case studies references to key data and relevant numerical simulations are included throughout the text to aid in reader comprehension this book introduces the global landscape of hybrid and electric vehicles covering the available technologies from both a mechanical and electrical engineering perspective presenting mathematical aspects of modeling and analysis and surveying emerging trends and economic impacts it also explains all fundamentals regulations policies perceptions and market competition aspects of intelligent electric vehicles as well as how smart electric and hybrid vehicles can be utilized to reduce harmful emissions and reliance on fossil fuels over the lifecycle of a vehicle edited by a team of highly qualified academics with contributions by an array of international experts smart electric and hybrid vehicles advancements in materials design technologies and modeling includes information on electric machine and inverter designs maximum speed considerations component cooling power density and material performance battery systems fuel cells plug in vehicles mechanical drives and storage systems and the role of power electronics tools the impact of trends and technologies like ai machine vision and digital twins as well as related cyber security considerations optimization of manufacturing waste charging stations sensing control road trajectory prediction and navigation systems electrical interfaces to protect against electric shock and cost effectiveness compared to gasoline powered vehicles smart electric and hybrid vehicles advancements in materials design technologies and modeling is an essential reference on the subject for mechanical engineers industrial engineers and academic researchers working in the automotive sector it is also an ideal learning resource for post graduate students in the automotive field

the aim of this book is to provide health care professionals with an overview of the main aspects of recent advances in sleep medicine with an emphasis on advancing basic science into clinical medicine it is divided into three main parts the first part is to cover the basic sleep mechanisms which includes genetics in sleep and neural and humoral regulation of sleep and wakefulness the second part focuses on the epidemiology of sleep and the final part consists of the pathophysiological mechanisms of snoring and sleep apnea and other common sleep disorders as well as the consequences the content of this book is written by experts and sleep specialists from all over the world and this book aims to optimize the health of individuals by translating bench side

findings into clinical practice

an introduction to applied cognitive psychology offers an accessible review of recent research in the application of cognitive methods theories and models using real world scenarios and engaging everyday examples this book offers clear explanations of how the findings of cognitive psychologists have been put to use the book explores all of the major areas of cognitive psychology including attention perception memory thinking and decision making as well as some of the factors that affect cognitive processes such as drugs and biological cycles now in full colour this new edition has been thoroughly updated to include cutting edge research and theories there are also new chapters on perceptual errors and accidents the influence of emotion and the role of cognitive factors in music and sport written by well respected experts in the field this textbook will appeal to all undergraduate students of cognitive psychology as well as professionals working in the areas covered in the book such as education police work sport and music

this expert compendium surveys the current state of military psychology across the branches of service at the clinical research consulting and organizational levels its practical focus examines psychological adjustment pre and post deployment commonly encountered conditions e g substance abuse and the promotion of well being sleep mindfulness and resilience training coverage pays particular attention to uses of psychology in selection and assessment of service personnel in specialized positions and training concerns for clinicians and students choosing to work with the military community chapters also address topics of particular salience to a socially conscious military including ptsd sexual harassment and assault women s and lgbt issues suicide prevention and professional ethics among the specific chapters topics covered military deployment psychology psychologists in the forward environment stress and resilience in married military couples assessment and selection of high risk operational personnel processes procedures and underlying theoretical constructs understanding and addressing sexual harassment and sexual assault in the us military virtual reality applications for the assessment and treatment of ptsd plus international perspectives on military psychology from china australia india and more grounding its readers in up to date research and practice military psychology will assist health psychologists clinical psychologists psychiatrists and clinical social workers in understanding and providing treatment for military populations veterans and their families as well as military psychologists in leadership and consulting positions

nursing leadership management fourth edition provides a comprehensive look at the knowledge and skills required to lead and manage at every level of nursing emphasizing the crucial role nurses play in patient safety and the delivery of quality health care presented in three units readers are introduced to a conceptual framework that highlights nursing leadership and management responsibilities for patient centered care delivery to the patient to the community to the agency and to the self this valuable new edition includes new and up to date information from national and state health care and nursing organizations as well as new chapters on the historical context of nursing leadership and management and the organization of patient care in high reliability health care organizations explores each of the six quality and safety in nursing qsen competencies patient centered care teamwork and collaboration evidence based practice ebp quality improvement qi safety and informatics provides review questions for all chapters to help students prepare for course exams and nclex state board exams features contributions from experts in the field with perspectives from bedside nurses faculty directors of nursing nursing historians physicians lawyers psychologists and more nursing leadership management fourth edition provides a strong foundation for evidence based high quality health care for undergraduate nursing students working nurses managers educators and clinical specialists

nsca s essentials of tactical strength and conditioning is the ideal preparatory guide for those seeking tsac f certification the book is also a great reference for fitness trainers who work with tactical populations such as military law enforcement and fire and rescue personnel

intelligent transportation systems its are the model for integrating advanced information technology data communication transmission technology electronic sensing technology control technology and computer technology into a comprehensive ground traffic management system they are the direction of development for future transportation systems this book presents the proceedings of the 3rd international conference on information technology and intelligent transportation systems itits 2018 held in xi an china on 15 16 september 2018 the conference provides a platform for professionals and researchers from industry and academia to present and discuss recent advances in the field of information technology and intelligent transportation systems intelligent transport systems vary in the technologies they apply from basic management systems to more application based systems

information technology including wireless communication computational technologies floating car data floating cellular data sensor technologies and video vehicle detection is also intrinsic to intelligent transportation systems all papers were reviewed by 34 referees and the program chairs of the conference committee made their selections based on the score of each paper this year itits 2018 received more than 168 papers from 4 countries of which 41 papers were accepted offering a state of the art overview of the theoretical and applied topics related to its this book will be of interest to all those working in the field

even with today s mobile technology most work is still undertaken in a physical workplace today s workplaces need to be healthy environments that minimize the risks of illnesses or injuries to occupants to compete in the marketplace this necessitates the application of good ergonomics design principles to the creation of effective workplaces and this is the focus of this book this book will focus on ergonomic design for better health and ergonomic design for better productivity presents environments that support new ways of working and alternative workplace strategies as well as the impacts of new technologies covers the role of ergonomics design in creating sustainable workplaces includes ergonomics design for a wide variety of workplaces from offices to hospitals to hotels to vehicles etc shows the design principles on how to design and create a healthy and productive workplace the market lacks an ergonomics design book that covers the topics that this book will cover this book summarizes design principles for practitioners and applies them to the variety of workplace settings described in the book no other book currently on the market does that

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the stress that comes with being a first responder has been known to lead to depression anxiety substance abuse and suicide however few clinicians are informed about these health concerns and how to adequately treat them in this population therefore there is an urgent need for practitioners to understand the latest information regarding treatments that will be useful to this specific population mental health intervention and treatment of first responders and emergency workers is an essential reference source that focuses on the latest research for diagnosing and treating mental health issues experienced by emergency personnel and seeks to generate awareness and inform clinicians about the unique circumstances encountered by these professionals while highlighting topics including anxiety disorders and stress management this book is ideally designed for clinicians therapists psychologists psychiatrists practitioners medical professionals emts law enforcement fire departments military academicians researchers policymakers and students seeking current research on psychological therapy methods regarding first responders

more and more not for profit hospitals are becoming financially unstable and being acquired by large hospital systems the effects range from not having necessary life saving equipment to losing the most experienced nurses to better jobs at other hospitals in health care in crisis theresa morris takes an in depth look at how this unintended consequence of the affordable care act plays out in a non profit hospital s obstetrical ward based on ethnographic observations of and in depth interviews with obstetrical nurses and hospital administrators at a community not for profit hospital in new england health care in crisis examines how nurses care of patients changed over the three year period in which the affordable care act was implemented state medicaid funds to hospitals were slashed and hospitals were being acquired by a for profit hospital system morris explains how the tumultuous political economic changes have challenged obstetrical nurses who are at the front lines of providing care for women during labor and birth

this book gathers outstanding papers presented at the china sae congress 2023 featuring contributions mainly from china the biggest carmaker as well as most dynamic car market in the world the book covers a wide range of automotive related topics and the latest technical advances in the industry many of the approaches in the book help technicians to solve practical problems that affect their daily work in addition the book offers valuable technical support to engineers researchers and postgraduate students in the field of automotive engineering

stress in policing remains a serious concern for individual officers their families their organizations and society at large as an editor of the psychological and behavioural aspects of risk series ronald j burke brings together the latest research findings and intervention strategies shown to be effective by an international group of experts the contributors comprise of a group of high profile researchers and writers who are experts in their respective fields this edited collection addresses such issues as the increased risk of international terrorism racial profiling police culture police integrity police suicide inadequate police training the work of police officers exposes them to sources of stress that increase several risks in terms of their psychological and physical health their family relationships physical injuries emotional trauma ambiguity about their roles in society shift work and undercover work

add additional burdens to officers and their families police work also places risks on the communities in which officers serve in terms of officers being inadequately trained to deal with mentally ill citizens

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