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LIU BECK

Revue de mécanique Palgrave MacMillan

The promise of the Semantic Web is that future web pages will be annotated not only with bright colors and fancy fonts as they are now, but with annotation extracted from large domain ontologies that specify, to a computer in a way that it can exploit, what information is contained on the given web page. The presence of this information will allow software agents to examine pages and to make decisions about content as humans are able to do now. The classic method of building an ontology is to gather a committee of experts in the domain to be modeled by the ontology, and to have this committee.

Revue de mécanique Springer Publishing Company

Written by two of Europe's leading robotics experts, this book provides the tools for a unified approach to the modelling of robotic manipulators, whatever their mechanical structure. No other publication covers the three fundamental issues of robotics: modelling, identification and control. It covers the development of various mathematical models required for the control and simulation of robots. World class authority. Unique range of coverage not available in any other book. Provides a complete course on robotic control at an undergraduate and graduate level.

Women's Issues in Transportation John Wiley & Sons

This book provides a collection of comprehensive research articles on data analytics and applications of wearable devices in healthcare. This Special Issue presents 28 research studies from 137 authors representing 37 institutions from 19 countries. To facilitate the understanding of the research articles, we have organized the book to show various aspects covered in this field, such as eHealth, technology-integrated research, prediction models, rehabilitation studies, prototype systems, community health studies, ergonomics design systems, technology acceptance model evaluation studies, telemonitoring systems, warning systems, application of sensors in sports studies, clinical systems, feasibility studies, geographical location based systems, tracking systems, observational studies, risk assessment studies,

human activity recognition systems, impact measurement systems, and a systematic review. We would like to take this opportunity to invite high quality research articles for our next Special Issue entitled "Digital Health and Smart Sensors for Better Management of Cancer and Chronic Diseases" as a part of Sensors journal.

Data Analytics and Applications of the Wearable Sensors in Healthcare The Minerva Group, Inc.

This volume brings together, from a wide range of experience, such information as may be useful in recognizing, avoiding, controlling, designing for, and correcting movement. Current geologic concepts and engineering principles and techniques are introduced, and both the analysis and control of soil and rock-slopes are addressed. New methods of stability analysis and the use of computer techniques in implementing these methods are included. Rock slope engineering and the selecting of shear-strength parameters for slope-stability analyses are covered in separate chapters.

Work and Family in the United States Springer Science & Business Media

Fluvial Geomorphology studies the biophysical processes acting in rivers, and the sediment patterns and landforms resulting from them. It is a discipline of synthesis, with roots in geology, geography, and river engineering, and with strong interactions with allied fields such as ecology, engineering and landscape architecture. This book comprehensively reviews tools used in fluvial geomorphology, at a level suitable to guide the selection of research methods for a given question. Presenting an integrated approach to the interdisciplinary nature of the subject, it provides guidance for researchers and professionals on the tools available to answer questions on river restoration and management. Thoroughly updated since the first edition in 2003 by experts in their subfields, the book presents state-of-the-art tools that have revolutionized fluvial geomorphology in recent decades, such as physical and numerical modelling, remote sensing and GIS, new field techniques, advances in dating, tracking and sourcing, statistical approaches as well as more traditional methods such as the systems framework, stratigraphic analysis, form and flow characterisation and historical analysis. This book: Covers five

main types of geomorphological questions and their associated tools: historical framework; spatial framework; chemical, physical and biological methods; analysis of processes and forms; and future understanding framework. Provides guidance on advantages and limitations of different tools for different applications, data sources, equipment and supplies needed, and case studies illustrating their application in an integrated perspective. It is an essential resource for researchers and professional geomorphologists, hydrologists, geologists, engineers, planners, and ecologists concerned with river management, conservation and restoration. It is a useful supplementary textbook for upper level undergraduate and graduate courses in Geography, Geology, Environmental Science, Civil and Environmental Engineering, and interdisciplinary courses in river management and restoration.

Nondestructive Characterization of Materials II Transportation Research Board

Analysing developments in digital technologies and institutional changes, this book provides an overview of the current frenetic state of transformation within the global automobile industry. An ongoing transition brought about by the relocation of marketing, design and production centres to emerging economies, and experimentation with new mobility systems such as electrical, autonomous vehicles, this process poses the question as to how original equipment manufacturers (OEMs) and newcomers can remain competitive and ensure sustainability. With contributions from specialists in the automobile sector, this collection examines the shifts in power and geographical location occurring in the industry, and outlines the key role that public policy has in generating innovation in entrepreneurial states. Offering useful insights into the challenges facing emerging economies in their attempts to grow within the automobile industry, this book will provide valuable reading for those researching internationalization and emerging markets, business strategy and more specifically, the automotive industry.

Popular Photography Springer Science & Business Media

The sections "Documentation" (weekly) and "Union des syndicats de l'électricité" (biweekly) have separate pagination.

Applied Metallography Data Analytics and Applications of the

Wearable Sensors in Healthcare

The pioneering study by Bowman [1980] reawakened interest in risk and return relations in the strategic management literature. We do not examine this literature here because we have elsewhere reviewed it in detail [1] and because, for the most part, these studies have been confined to ex post data. Discussions of the strategies which subjects used to direct their ex ante evaluations of risks and returns have either been omitted or else have been only indirectly inferred from ex post data. In addition, with few exceptions, this literature does not attempt to ascertain the meanings that might have been assigned by subjects to terms like "risk" and/or the "returns" with which they have been concerned. Even fewer of these studies have attempted to ascertain how the subjects implemented their definitions en of prospective strategies. Thus, this literature may route to arriving at evaluations best be regarded as bearing only indirect relations to the present study which is concerned not only with the meanings assigned to terms like "risk" and "return" but also with how these terms are used in arriving at risk and return evaluations of proposed strategies as well as how they are measured and used, on an ex ante basis en route to seeing how these evaluations match with ex post performance. In a sense, one part of this study--i. e.

The Motor Makers Springer

les Houches This Winter School on "The Physics and Fabrication of Microstructures" originated with a European industrial decision to investigate in some detail the potential of custom-designed microstructures for new devices. Beginning in 1985, GEC and THOMSON started a collaboration on these subjects, supported by an ESPRIT grant from the Commission of the European Community. To the outside observer of the whole field, it appears clear that the world effort is very largely based in the United States and Japan. It also appears that cooperation and dissemination of results are very well organised outside Europe and act as a major influence on the development of new concepts and devices. In Japan, a main research programme of the Research and Development for Basic Technology for Future Industries is focused on "Future Electron Devices". In Japan and in the United States, many workshops are organised annually in order to bring together the major specialists in industry and academia, allowing fast dissemination of advances and contacts

for setting up cooperative efforts.

Fire Properties of Polymer Composite Materials CRC Press

Parallel to the physical space in our world, there exists cyberspace. In the physical space, there are human and nature interactions that produce products and services. On the other hand, in cyberspace there are interactions between humans and computer that also produce products and services. Yet, the products and services in cyberspace don't materialize—they are electronic, they are millions of bits and bytes that are being transferred over cyberspace infrastructure.

Bioterrorism and Biocrimes Springer Science & Business Media Now considered a classic in the field, this book first called attention to what Kanter has referred to as the "myth of separate worlds." Rosabeth Moss Kanter was one of the first to argue that the assumed separation between work and family was a myth and that research must explore the linkages between these two roles.

Revue générale de l'électricité Wiley-Blackwell

Proceedings of the International TNO-Symposium held in Amsterdam, The Netherlands, 5-6 November 1980 by the Netherlands Organization for Applied Scientific Research Springer Science & Business Media

Until recently most observers were of the opinion that firms had to adopt a Japanese model of management or perish. They overlooked the fact that there are a number of efficient productive models and that there is no single 'best way'. This book shows the diversity of productive models and discusses the optimum macro and micro economic and social conditions that a firm needs to stay profitable. In conclusion the authors suggest an analytical framework of profitability conditions, easily accessible to practitioners, academics and students.

Metacognition in Language Learning and Teaching Éditions LaPresse

UNE COURSE CONTRE LA MONTRE Le secteur automobile est à l'aube de ses plus grands changements depuis la mise en marché de la Model T. Il doit faire face à une transformation sans précédent. Les constructeurs établis font la lutte à de jeunes pousses alors que des sommes astronomiques sont dépensées pour entreprendre la transition électrique. L'Annuel de l'automobile vous invite à suivre cette évolution à travers ses pages avec l'ouverture de chaque chapitre consacrée à un constructeur. Nous brossons un portrait éclair de l'industrie

automobile. Nous continuons également de vous offrir notre section sur les modèles entièrement électriques et hybrides branchables, qui s'est encore agrandie cette année. UN GRAND COUP D'OEIL SUR NOS REPORTAGES EST-CE QUE L'AUTONOMIE ÉLECTRIQUE FAIT FOI DE TOUT ? Au volant de quatre véhicules électriques (Mazda MX-30, Tesla Model 3, Genesis G70 et BMW i7), les membres de l'Annuel de l'automobile se sont élancés sur une route de 400 km (aller-retour) dans la région des Mille-Îles, en Ontario, dans le but de vérifier de quelle façon l'autonomie affectait le temps de déplacement. LA CONDUITE AUTONOME VA BIENTÔT FAIRE PARTIE INTÉGRANTE DE TOUS LES VÉHICULES Grâce à l'arrivée de la technologie 5G, la conduite intelligente est devenue facile d'accès. Nous faisons le point sur cette technologie et sur ce à quoi nous devons nous attendre dans l'avenir. L'AVENIR DES BATTERIES DANS LE MONDE DES VÉHICULES Pas un mois ne passe sans que l'industrie automobile annonce une nouvelle pile : pile au sodium, pile solide, pile LFP. Que nous réserve l'avenir en matière d'électrification des véhicules? Est-ce que l'hydrogène y aura sa place? Quelles technologies arriveront à faire une percée ? Il s'agit là de questions parmi d'autres sur lesquelles nous nous penchons dans cette section. AMERICA'S CAR MUSEUM Harold LeMay a reçu en 1997 le titre de plus grand collectionneur de voitures au monde. À son apogée, l'homme d'affaires de l'État de Washington possédait plus de 3000 véhicules. Après son décès, la Ville de Tacoma a ouvert en 2012 un musée pour mettre en valeur sa collection. Nous vous invitons à faire le tour de l'America's Car Museum pour admirer cette collection considérée par plusieurs comme un trésor national de l'automobile. UN NOUVEAU MODÈLE D'AFFAIRES AUTOMOBILE Depuis 100 ans, les voitures sont vendues en concession. Tesla a changé la donne en vendant ses produits directement aux consommateurs. De jeunes pousses ont repris l'idée et utilisent le même modèle d'affaires, mais voilà que des grands comme Ford souhaitent aussi imiter Tesla. Assisterons-nous à une transformation du processus de vente ?

The Productive Models Butterworth-Heinemann

This is an essential aid in the initial design and planning of a project. The relevant building type is located by a comprehensive index and cross reference system, a condensed commentary covers user requirements, planning criteria, basic dimensions and other considerations of function, siting aspect etc. A system

of references based on an extensive bibliography supports the text. In every section plans, sections, site layouts, design details and graphs illustrated key aspects of a building type's design. Most illustrations are dimensioned or scaled - the metric system of measurement is used throughout, and the equivalent in feet/inches can easily be read either off a graphic scale on the page or from the built-in conversion table. The illustrations are international in origin and include both well know and less famous designers. Architects Data is primarily a handbook of building types rather than of construction techniques and details. However its treatment of components (such as doors and windows) and of spaces for building services is extremely thorough, since consideration of this data is an essential element of the planning process. The opening pages of basic data on man and his buildings cover critical subjects such as scale, drawing practice, noise, light and space for the same reason. Particular attention has also been paid to the implications of energy conservation, means of escape from fire and the needs of the elderly and the disabled.

Gender Disparities in Africa's Labor Market UNESCO

The Open Access version of this book, available at <https://www.taylorfrancis.com/books/e/9781351049139>, has been made available under a Creative Commons Attribution-Non Commercial-No Derivatives 4.0 license. This volume offers an exhaustive look at the latest research on metacognition in language learning and teaching. While other works have explored certain notions of metacognition in language learning and teaching, this book, divided into theoretical and empirical chapters, looks at metacognition from a variety of perspectives, including metalinguistic and multilingual awareness, and language learning and teaching in L2 and L3 settings, and

explores a range of studies from around the world. This allows the volume to highlight a diverse set of methodological approaches, including blogging, screen recording software, automatic translation programs, language corpora, classroom interventions, and interviews, and subsequently, to demonstrate the value of metacognition research and how insights from such findings can contribute to a greater understanding of language learning and language teaching processes more generally. This innovative collection is an essential resource for students and scholars in language teaching pedagogy, and applied linguistics.

The Delphi Method HarperCollins

This book should be of interest to practising engineers in metallurgy and materials science, mechanical engineers, chemical engineers involved with corrosion and inorganic chemistry, industry engineers in the steel and metal alloy business.

La Revue générale du froid Springer Science & Business Media

The possibility of nondestructively characterizing the microstructure, morphology or mechanical properties of materials is certainly a fascinating subject. In principle, such techniques can be used at all stages of a material's life - from the early stages of processing, to the end of a structural component's useful life. Interest in the subject thus arises not only from a purely scientific point of view but is also strongly motivated by economic pressures to improve productivity and quality in manufacturing, to insure the reliability and extend the life of existing structures. The present volume represents the edited papers presented at the Second International Symposium on the Nondestructive Characterization of Materials, held in Montreal, Canada, July 21-23, 1986. The Proceedings are divided into eight sections,

which reflect the multidisciplinary nature of characterizing materials nondestructively: Polymers and Composites, Ceramics and Powder Metallurgy, Metals, Layered Structures/Adhesive Bonds/Welding, Degradation/Aging, Texture/ Anisotropy, Stress, and New Techniques. Invited papers by R. Hadcock of Grumman Aircraft Systems, R. Cannon of Rutgers University, H. Yada of Nippon Steel and R. Bridenbaugh of Alcoa review respectively the processing of polymer matrix composites, ceramics, steel and aluminum, emphasizing the need for material property sensors to improve process and quality control. Two other invited papers, one by A. Wedgwood of Harwell and the other by P. Holler of the IzFP in Saarbrücken review state of the art techniques to characterize particulate matter and metals respectively.

Landslides, Analysis and Control IWA Publishing

Plant Production in Closed Ecosystems provides overviews of the current trends and concepts in plant production in closed or semi-closed environments. The overviews reflect both the present and future challenges that face the agricultural industry and the methods and tools which will meet these challenges. Plant Production in Closed Ecosystems contains the full texts of the Special Lectures from the International Symposium on Plant Production in Closed Ecosystems, plus several contributed papers. The challenges which await the agricultural industry are diverse. This diversity is reflected in the topics that were covered in the special lectures given by experts in the field. These topics included: greenhouse horticulture, hydroponics, micropropagation, food production in space, environmental control, co-generation, controlled ecological life support systems (CELSS), and resource conservation.

Thermal Storage of Solar Energy Routledge

"September 27-30, 2009. Irvine, California"--Title page.

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