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Navigational Systems and Simulators *Ship & Boat International* Asia Pacific Shipping Global Aeronautical Distress and Safety Systems (GADSS) Southern Africa Shipping News Shipping World & Shipbuilder Ships and Shipping *Jane's International Defense Review* Fairplay Ocean News & Technology *Lloyd's Ship Manager MotorBoating Die Umrundung des Nordpols* Development of Transport by Telematics The Motor Ship Wehrtechnik Flight Test System Identification *West Africa Before the Europeans Advanced Automotive Fault Diagnosis* Knowledge Graphs Brain-Computer Interface Research *Digital Business Models* The Vortex State *Optical Networking Best Practices Handbook Introduction to Computer Theory* Advances in Enterprise Engineering I Advances in Shipping Data Analysis and Modeling Networked RFID This is Ewers (Yours). Condition Assessment Scheme Making Better International Law: The International Law Commission at 50 - Proceedings of the United Nations Colloquium on Progressive Development and Codification of International Law Mother of Writing Modeling and Computation of Boundary-Layer Flows Multimedia Cartography GMDSS Manual Dictionary of Jamaican English Fundamentals of Deep Learning and Computer Vision Nanomaterials Safety *Global Aeronautical Distress and Safety Systems (GADSS)* Global Mobile Satellite Communications

Global Mobile Satellite Communications Jun 26 2019 Global mobile satellite communications (GMSC) are specific satellite communication systems for maritime, land and aeronautical applications. It enables connections between moving objects such as ships, vehicles and aircrafts, and telecommunications subscribers through the medium of communications satellites, ground earth stations, PTT or other landline telecommunications providers. Mobile satellite communications and technology have been in use for over two decades. Its initial application is aimed at the maritime market for commercial and distress applications. In recent years, new developments and initiatives have resulted in land and aeronautical applications and the introduction of new satellite constellations in non-geostationary orbits such as Little and Big LEO configurations and hybrid satellite constellations as Ellipso Borealis and Concordia system. This book is important for modern shipping, truck, train and aeronautical societies because GMSC in the present millennium provides more effective business and trade, with emphasis on safety and commercial communications. Global Mobile Satellite Communications is written to make bridges between potential readers and current GMSC trends, mobile system concepts and network architecture using a simple mode of style with understandable technical information, characteristics, graphicons, illustrations and mathematics equations. Global Mobile Satellite Communications represents telecommunications technique and technology, which can be useful for all technical staff on vessels at sea and rivers, on all types of land vehicles, on planes, on off shore constructions and for everyone possessing satellite communications handset phones.

Ocean News & Technology Jan 26 2022

Networked RFID Jul 08 2020 This book introduces the technologies and techniques of large-scale RFID-enabled mobile computing systems. The discussion is set in the context of specific system case studies where RFID has been the core enabling technology in retail, metropolitan transportation, logistics and e-passport applications. RFID technology fundamentals are covered including operating principles, core system components and performance trade-offs involved in the selection of specific RFID platforms.

Southern Africa Shipping News Jun 30 2022

Nanomaterials Safety Aug 28 2019 This monograph summarizes the current knowledge on potential health hazards induced by nanomaterials from different sources and sort such as food, drugs and silver

nanoparticles. Methods to assess toxicity as well as known effects on the genome, neuronal and respiratory system are discussed. Besides the impact on human and animal life the books also addresses aquatic toxicity.

Ship & Boat International Oct 03 2022

This is Ewers (Yours). Jun 06 2020

Ships and Shipping Apr 28 2022

Shipping World & Shipbuilder May 30 2022

Knowledge Graphs Mar 16 2021 This book provides a comprehensive and accessible introduction to knowledge graphs, which have recently garnered notable attention from both industry and academia. Knowledge graphs are founded on the principle of applying a graph-based abstraction to data, and are now broadly deployed in scenarios that require integrating and extracting value from multiple, diverse sources of data at large scale. The book defines knowledge graphs and provides a high-level overview of how they are used. It presents and contrasts popular graph models that are commonly used to represent data as graphs, and the languages by which they can be queried before describing how the resulting data graph can be enhanced with notions of schema, identity, and context. The book discusses how ontologies and rules can be used to encode knowledge as well as how inductive techniques—based on statistics, graph analytics, machine learning, etc.—can be used to encode and extract knowledge. It covers techniques for the creation, enrichment, assessment, and refinement of knowledge graphs and surveys recent open and enterprise knowledge graphs and the industries or applications within which they have been most widely adopted. The book closes by discussing the current limitations and future directions along which knowledge graphs are likely to evolve. This book is aimed at students, researchers, and practitioners who wish to learn more about knowledge graphs and how they facilitate extracting value from diverse data at large scale. To make the book accessible for newcomers, running examples and graphical notation are used throughout. Formal definitions and extensive references are also provided for those who opt to delve more deeply into specific topics.

Condition Assessment Scheme May 06 2020 The Condition Assessment Scheme (CAS) for oil tankers was adopted in 2001 and is applicable to all single-hull tankers of 15 years or older. Although the CAS does not specify structural standards in excess of the provisions of other IMO conventions, codes and recommendations, its requirements stipulate more stringent and transparent verification of the reported structural condition of the ship and that documentary and survey procedures have been properly carried out and completed. The Scheme requires that compliance with the CAS is assessed during the Enhanced Survey Program of Inspections concurrent with intermediate or renewal surveys currently required by resolution A.744(18), as amended.--Publisher's description.

Multimedia Cartography Jan 02 2020 Addressed to professional cartographers interested in moving into multimedia mapping, as well as those already involved in this field who wish to discover the approaches that other practitioners have already taken, this book/CD package is equally useful for students and academics in the mapping sciences and related geographic fields wishing to update their knowledge of cartographic design and production.

Development of Transport by Telematics Sep 21 2021 This book constitutes selected papers from the 19th International Conference on Transport Systems Telematics, TST 2019, held in Jaworze, near Bielsko-Biala, Poland, in March 2019. The 31 full papers presented in this volume were carefully reviewed and selected from 104 submissions. They were organized in topical sections named: telematics in rail transport; telematics in road transport; telematics in marine transport; telematics in air transport; and general about telematics.

Asia Pacific Shipping Sep 02 2022

Dictionary of Jamaican English Oct 30 2019 The method and plan of this dictionary of Jamaican English are basically the same as those of the Oxford English Dictionary, but oral sources have been extensively tapped in addition to detailed coverage of literature published in or about Jamaica since 1655. It contains information about the Caribbean and its dialects, and about Creole languages and general linguistic processes. Entries give the pronounciation, part-of-speach and usage of labels,

spelling variants, etymologies and dated citations, as well as definitions. Systematic indexing indicates the extent to which the lexis is shared with other Caribbean countries.

The Vortex State Dec 13 2020 One of the most spectacular consequences of the description of the superfluid condensate in superfluid He or in superconductors as a single macroscopic quantum state is the quantization of circulation, resulting in quantized vortex lines. This book draws no distinction between superfluid He3 and He4 and superconductors. The reader will find the essential introductory chapters and the most recent theoretical and experimental progress in our understanding of the vortex state in both superconductors and superfluids, from lectures given by leading experts in the field, both experimentalists and theoreticians, who gathered in Cargèse for a NATO ASI. The peculiar features related to short coherence lengths, 2D geometry, high temperatures, disorder, and pinning are thoroughly discussed.

West Africa Before the Europeans May 18 2021 This book covers the whole range of West African archaeology to the arrival of the Portugese on the Guinea coast. Parts of this territory are very ill-explored, and emphasis is accordingly laid on the better-known regions: Ghana, Nigeria, the middle Niger valley and Western Senegal. After introducing the geographical background and chronology, subsequent chapters deal with the Palaeolithic, Neolithic and early iron ages, ending with a brief account of the protohistoric period. Published in 1967. Includes map and topographical index.

The Motor Ship Aug 21 2021

Digital Business Models Jan 14 2021 This innovative edited collection explores digital business models (DBMs) in theory and practice to contribute to knowledge of how companies, organizations and networks can design, implement and apply DBMs. It views DBMs in a range of contexts and forms, which can be integrated in a number of ways, and aims to inspire and enable academics, students and practitioners to seize the opportunities posed by digital business models, technologies and platforms. One of the first and comprehensive contributions to the field of DBMs and digital business model innovations (DBMI), the authors discuss the opportunities, challenges, technologies, implementation and value creation, customer and data protection processes of DBMs in different contexts.

Making Better International Law: The International Law Commission at 50 - Proceedings of the United Nations Colloquium on Progressive Development and Codification of International Law Apr 04 2020

Mother of Writing Mar 04 2020 In February of 1971, in the Laotian village of Nam Chia, a forty-one year old farmer named Shong Lue Yang was assassinated by government soldiers. Shong Lue claimed to have been descended of God and given the mission of delivering the first true Hmong alphabet. Many believed him to be the Hmong people's long-awaited messiah, and his thousands of followers knew him as "Mother (Source) of Writing." An anthropological linguist who has worked among the Hmong, William A. Smalley joins Shong Lue's chief disciple, Chia Koua Vang, and one of his associates, to tell the fascinating story of how the previously unschooled farmer developed his remarkable writing system through four stages of increasing sophistication. The uniqueness of Shong Lue's achievement is highlighted by a comparison of Shong Lue's writing system to other known Hmong systems and to the history of writing as a whole. In addition to a nontechnical linguistic analysis of the script and a survey of its current use, Mother of Writing provides an intriguing cultural account of Shong Lue's life. The book traces the twenty-year-long struggle to disseminate the script after Shong Lue's death, first by handwriting, then by primitive moveable type, an abortive attempt to design a wooden typewriter, and finally by modern wordprocessing. In a moving concluding chapter, Smalley discusses his own complex feelings about his coauthors' story.

Advanced Automotive Fault Diagnosis Apr 16 2021 Diagnostics, or fault finding, is a fundamental part of an automotive technician's work, and as automotive systems become increasingly complex there is a greater need for good diagnostic skills. Advanced Automotive Fault Diagnosis is the only book to treat automotive diagnostics as a science rather than a check-list procedure. Each chapter includes basic principles and examples of a vehicle system followed by the appropriate diagnostic techniques, complete with useful diagrams, flow charts, case studies and self-assessment questions. The book will help new students develop diagnostic skills and help experienced technicians improve even further.

This new edition is fully updated to the latest technological developments. Two new chapters have been added – On-board diagnostics and Oscilloscope diagnostics – and the coverage has been matched to the latest curricula of motor vehicle qualifications, including: IMI and C&G Technical Certificates and NVQs; Level 4 diagnostic units; BTEC National and Higher National qualifications from Edexcel; International Motor Vehicle qualifications such as C&G 3905; and ASE certification in the USA.

 Advances in Shipping Data Analysis and Modeling Aug 09 2020 Shipping flows – maritime 'footprints' – remain underexplored in the existing literature despite the crucial importance of freight transport for global trade and economic development. Additionally, decision-makers lack a comprehensive view on how shipping flows can be measured, analyzed, and mapped in order to support their policies and strategies. This interdisciplinary volume, drawing on an international cast-list of experts, explores a number of crucial issues in shipping data estimation, construction, collection, mining, analysis, visualization, and mapping. Advances in Shipping Data Analysis and Modeling delivers several key messages. First, that in a world of just-in-time delivery and rapid freight transit, it is important to bear in mind the long-term roots of current trends as well as foreseeable future developments because shipping patterns exhibit recurrent, if not cyclical and path-dependent, dynamics. Second, shipping flows are currently often understood at the micro-level of intra-urban logistics delivery and at the national level using commodity flow analyses, but this volume emphasizes the need to expand the scale of analysis by offering new evidence on the changing distribution of global and international shipping flows, based on actual data. Third, that this multidisciplinary approach to shipping flows can shed important light on crucial issues that go beyond shipping itself including climate change, urban development, technological change, commodity specialization, digital humanities, navigation patterns, international trade, and regional growth. Edited by experts in their field, this volume is of upmost importance to those who study industrial economics, shipping industries and economic and transport geography.

Global Aeronautical Distress and Safety Systems (GADSS) Jul 28 2019 This book presents the principal structure, networks and applications of the Global Aeronautical Distress and Safety System (GADSS) for enhanced airborne Communication, Navigation and Surveillance (CNS). It shows how their implementation works to ensure better security in flight and on the airports surface; improved aircraft tracking and determination in real space and time; and enhanced distress alerting, safety; and Search and Rescue (SAR) system for missing, hijacked and landed aircraft at sea or on the ground. Main topics of this book are as follows: an overview of radio and satellite systems with retrospective to aeronautical safety; security and distress systems; space segment with all aspects regarding satellite orbits and infrastructures; transmission segment of radio and satellite systems; ground segment of radio and earth ground stations; airborne radio and satellite antenna systems and propagation; aeronautical VHF and HF Radio CNS systems and networks; Inmarsat, Iridium and Cospas-Sasrast aeronautical satellite CNS systems and networks; Aeronautical Global Satellite Augmentation System (GSAS) and networks; Digital Video Broadcasting - Return Channel via Satellite (DVB-RCS) standards and Aeronautical Stratospheric Platform Systems (SPS) and networks.

 Global Aeronautical Distress and Safety Systems (GADSS) Aug 01 2022 This book presents the principal structure, networks and applications of the Global Aeronautical Distress and Safety System (GADSS) for enhanced airborne Communication, Navigation and Surveillance (CNS). It shows how their implementation works to ensure better security in flight and on the airports surface; improved aircraft tracking and determination in real space and time; and enhanced distress alerting, safety; and Search and Rescue (SAR) system for missing, hijacked and landed aircraft at sea or on the ground. Main topics of this book are as follows: an overview of radio and satellite systems with retrospective to aeronautical safety; security and distress systems; space segment with all aspects regarding satellite orbits and infrastructures; transmission segment of radio and satellite systems; ground segment of radio and earth ground stations; airborne radio and satellite antenna systems and propagation; aeronautical VHF and HF Radio CNS systems and networks; Inmarsat, Iridium and Cospas-Sasrast aeronautical satellite CNS systems and networks; Aeronautical Global Satellite Augmentation System (GSAS) and

networks; Digital Video Broadcasting - Return Channel via Satellite (DVB-RCS) standards and Aeronautical Stratospheric Platform Systems (SPS) and networks.

Modeling and Computation of Boundary-Layer Flows Feb 01 2020 This second edition of the book, Modeling and Computation of Boundary-Layer Flows^ extends the topic to include compressible flows. This implies the inclusion of the energy equation and non-constant fluid properties in the continuity and momentum equations. The necessary additions are included in new chapters, leaving the first nine chapters to serve as an introduction to incompressible flows and, therefore, as a platform for the extension. This part of the book can be used for a one semester course as described below. Improvements to the incompressible flows portion of the book include the removal of listings of computer programs and their description, and their incor poration in two CD-ROMs. A listing of the topics incorporated in the CD-ROM is provided before the index. In Chapter 7 there is a more extended discussion of initial conditions for three-dimensional flows, application of the characteristic box to a model problem and discussion of flow separation in three-dimensional laminar flows. There are also changes to Chapter 8, which now includes new sections on Tollmien-Schlichting and cross-flow instabilities and on the predic tion of transition with parabolised stability equations, and Chapter 9 provides a description of the rational behind interactive boundary-layer procedures.

Introduction to Computer Theory Oct 11 2020 Designed for undergraduate courses in computer theory, this textbook covers three areas: formal languages, automata theory and Turing machines. The author substitutes graphic representation for symbolic proofs, making it accessible even to students with little mathematical background.

Advances in Enterprise Engineering I Sep 09 2020 The expectation for the future of the 21st century enterprise is complexity and agility. In this digital age, business processes are scattered not only throu-out the labyrinth of their own enterprises, but also across di?erent enterprises, and even beyond the national boundaries. An evidence of this is the gr- ing phenomenon of business process outsourcing. Increasing competition, higher customer demands, and emerging technologies require swift adaptation to the changes. To understand, design, and engineer a modern enterprise (or an enterprise network) and its interwoven business processes, an engineering and systematic approach based on sound and rigorous theories and methodologies is necessary. Along with that, a paradigmshift seems to be needed for addressing these issues adequately. An appealing candidate is to look at an enterprise and its business processes as a social system. In its social setting, an enterprise and its bu- ness processes represent actors with certain authorities and assigned roles, who assume certain responsibilities in order to provide a service to its environment. The need for this paradigm shift along with the complexity and agility of modern enterprises, gives inspiration for the emerging discipline of Enterprise Engineering. For the study of this socio-technical phenomenon, the prominent tools ofModeling andSimulation play a signi?cant role.Both (conceptual) m- eling and simulationare widely used for understanding,analyzing,andengine- ing an enterprise (its organization and business processes).

Navigational Systems and Simulators Nov 04 2022 The TransNav 2011 Symposium held at the Gdynia Maritime University, Poland in June 2011 has brought together a wide range of participants from all over the world. The program has offered a variety of contributions, allowing to look at many aspects of the navigational safety from various different points of view. Topics presented and discussed at th

Die Umrundung des Nordpols Oct 23 2021 Zwischen dem WORT und der TAT liegt das EIS Kalt Stü rmisch. Unwirtlich. Dramatisch. Aber auch: fremde Kulturen. Faszination. Auß ergewö hnliche Begegnungen. Geschichte. Kein Zweifel: Der Nordpol, fiktiver Punkt unter Tonnen von Eis, lö st verschiedene Emotionen aus – aber kalt lä sst er niemanden. Jahrhundertelang wurde nach Routen gesucht, um die Rä nder des Eismeeres zu erforschen. Der Erste, dem die komplette Umrundung gelang, war Arved Fuchs – Expeditionsleiter, Abenteurer und Polarforscher. Seine aufregende Reise durch die Arktis, seine Leidenschaft fü r die polaren Gebiete, seine Geschicke als Expeditionsreisender und Segler im ewigen Eis jetzt neu gefasst, mitreiß end erzä hlt und packend zusammengestellt in einem

Band. Schnell wird klar: Wenn die Leidenschaft für das Eis brennt, ist alles möglich!

Brain-Computer Interface Research Feb 12 2021 The Annual BCI Research Awards are international prizes that recognize the top new projects in brain–computer interface (BCI) research. This book contains concise descriptions of projects nominated for the 2019 BCI Research Award and interviews with nominees. Each article is authored by the researchers who developed the project, and articles have been updated with new progress achieved since their nomination. These chapters are complemented by an introduction by the editors together with a concluding chapter that reviews the annual Awards Ceremony, announces the winners, and ends with a brief discussion. One of the prominent trends in recent years has been the development of BCIs for new patient groups. Many chapters in this book present emerging and novel research directions likely to become more prevalent in the near future. This year's book includes chapters based on interviews with BCI experts who were nominated for an award, including this year's first, second, and third place winners. These interview chapters are generally less technical than project descriptions, and provide individual perspectives from people actively working on new methods and systems.

Optical Networking Best Practices Handbook Nov 11 2020 Optical Networking Best Practices Handbook presents optical networking in a very comprehensive way for nonengineers needing to understand the fundamentals of fiber, high-capacity, high-speed equipment and networks, and upcoming carrier services. The book provides a practical understanding of fiber optics as a physical medium, sorting out single-mode versus multi-mode and the crucial concept of Dense Wave-Division Multiplexing.

MotorBoating Nov 23 2021

GMDSS Manual Dec 01 2019

Lloyd's Ship Manager Dec 25 2021

Jane's International Defense Review Mar 28 2022

Flight Test System Identification Jun 18 2021 With the demand for more advanced fighter aircraft, relying on unstable flight mechanical characteristics to gain flight performance, more focus has been put on model-based system engineering to help with the design work. The flight control system design is one important part that relies on this modeling. Therefore, it has become more important to develop flight mechanical models that are highly accurate in the whole flight envelope. For today's modern fighter aircraft, the basic flight mechanical characteristics change between linear and nonlinear as well as stable and unstable as an effect of the desired capability of advanced maneuvering at subsonic, transonic and supersonic speeds. This thesis combines the subject of system identification, which is the art of building mathematical models of dynamical systems based on measurements, with aeronautical engineering in order to find methods for identifying flight mechanical characteristics. Here, some challenging aeronautical identification problems, estimating model parameters from flight-testing, are treated. Two aspects are considered. The first is online identification during flight-testing with the intent to aid the engineers in the analysis process when looking at the flight mechanical characteristics. This will also ensure that enough information is available in the resulting test data for post-flight analysis. Here, a frequency domain method is used. An existing method has been developed further by including an Instrumental Variable approach to take care of noisy data including atmospheric turbulence and by a sensor-fusion step to handle varying excitation during an experiment. The method treats linear systems that can be both stable and unstable working under feedback control. An experiment has been performed on a radio-controlled demonstrator aircraft. For this, multisine input signals have been designed and the results show that it is possible to perform more time-efficient flight-testing compared with standard input signals. The other aspect is post-flight identification of nonlinear characteristics. Here the properties of a parameterized observer approach, using a prediction-error method, are investigated. This approach is compared with four other methods for some test cases. It is shown that this parameterized observer approach is the most robust one with respect to noise disturbances and initial offsets. Another attractive property is that no user parameters have to be tuned by the engineers in order to get the best performance. All methods in this thesis have been validated on simulated data

where the system is known, and have also been tested on real flight test data. Both of the investigated approaches show promising results.

Fundamentals of Deep Learning and Computer Vision Sep 29 2019 Master Computer Vision concepts using Deep Learning with easy-to-follow steps DESCRIPTION This book starts with setting up a Python virtual environment with the deep learning framework TensorFlow and then introduces the fundamental concepts of TensorFlow. Before moving on to Computer Vision, you will learn about neural networks and related aspects such as loss functions, gradient descent optimization, activation functions and how backpropagation works for training multi-layer perceptrons. To understand how the Convolutional Neural Network (CNN) is used for computer vision problems, you need to learn about the basic convolution operation. You will learn how CNN is different from a multi-layer perceptron along with a thorough discussion on the different building blocks of the CNN architecture such as kernel size, stride, padding, and pooling and finally learn how to build a small CNN model. Next, you will learn about different popular CNN architectures such as AlexNet, VGGNet, Inception, and ResNets along with different object detection algorithms such as RCNN, SSD, and YOLO. The book concludes with a chapter on sequential models where you will learn about RNN, GRU, and LSTMs and their architectures and understand their applications in machine translation, image/video captioning and video classification. KEY FEATURES Setting up the Python and TensorFlow environment Learn core Tensorflow concepts with the latest TF version 2.0 Learn Deep Learning for computer vision applications Understand different computer vision concepts and use-cases Understand different state-of-the-art CNN architectures Build deep neural networks with transfer Learning using features from pre-trained CNN models Apply computer vision concepts with easy-to-follow code in Jupyter Notebook WHAT WILL YOU LEARN This book will help the readers to understand and apply the latest Deep Learning technologies to different interesting computer vision applications without any prior domain knowledge of image processing. Thus, helping the users to acquire new skills specific to Computer Vision and Deep Learning and build solutions to real-life problems such as Image Classification and Object Detection. This book will serve as a basic guide for all the beginners to master Deep Learning and Computer Vision with lucid and intuitive explanations using basic mathematical concepts. It also explores these concepts with popular the deep learning framework TensorFlow. WHO THIS BOOK IS FOR This book is for all the Data Science enthusiasts and practitioners who intend to learn and master Computer Vision concepts and their applications using Deep Learning. This book assumes a basic Python understanding with hands-on experience. A basic senior secondary level understanding of Mathematics will help the reader to make the best out of this book. Table of Contents 1. Introduction to TensorFlow 2. Introduction to Neural Networks 3. Convolutional Neural Network 4. CNN Architectures 5. Sequential Models