

### *Liquefied Gas Handling Principles Narod*

The book informs about agricultural landscapes, their features, functions and regulatory mechanisms. It characterizes agricultural production systems, trends of their development, and their impacts on the landscape. Agricultural landscapes are multifunctional systems, coupled with all nexus problems of the 21th century. This has led to serious discrepancies between agriculture and environment, and between urban and rural population. The mission, key topics and methods of research in order to understanding, monitoring and controlling processes in rural landscapes is being explained. Studies of international expert teams, many of them from Russia, demonstrate approaches towards both improving agricultural productivity and sustainability, and enhancing ecosystem services of agricultural landscapes. Scientists of different disciplines, decision makers, farmers and further informed people dealing with the evolvement of thriving rural landscapes are the primary

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audience of this book.

In recent years scientists have investigated a series of new methods for non-rocket space launch, which promise to revolutionize space launches and flight. Particularly in the current political climate new, cheaper, and more 'fuel efficient' methods are being investigated. Such new methods include the gas tube method, cable accelerators, tether launch systems, space elevators, solar and magnetic sails, circle launcher space keepers and more. The author of Non-Rocket Space Launch and Flight brings a vast amount of experience to the topic, having worked as a engineer, designer, project director and researcher at key institutes including NASA and the US Air Force. Explores all the new non-rocket space launch methods, and compares them with each other and traditional rockets Investigates the unifying principles of the different systems and shows how to select the best design suited to the mission Author brings together technical and theoretical expertise from both industry and academia

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A professor of physics explains how he used a mathematical model of the universe to confirm the existence of God and the likelihood that every human who ever lived will be resurrected from the dead. Reprint.

The Instrument and Automation Engineers' Handbook (IAEH) is the Number 1 process automation handbook in the world. The two volumes in this greatly expanded Fifth Edition deal with measurement devices and analyzers. Volume one, Measurement and Safety, covers safety sensors and the detectors of physical properties, while volume two, Analysis and Analysis, describes the measurement of such analytical properties as composition. Complete with 245 alphabetized chapters and a thorough index for quick access to specific information, the IAEH, Fifth Edition is a must-have reference for instrument and automation engineers working in the chemical, oil/gas, pharmaceutical, pollution, energy, plastics, paper, wastewater, food, etc. industries.

Exploring and Optimizing Agricultural Landscapes

Elements of Algebra

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Tanker Safety Guide

A Handbook on Sustainable Urban Mobility and Spatial Planning

Monthly Index of Russian Accessions

Contrasting Approaches

This publication has been designed to assist member States in integrating transport, health, quality of life and environmental objectives into urban and spatial planning policies. It provides many references to case studies, good practices and examples from cities across the Euro-Asian region (and beyond) covering a wide array of thematic areas, including: the future of sustainable urban mobility; spatial planning in function of sustainable urban mobility and accessibility; public transport planning as a cornerstone of sustainable urban mobility; active mobility and how it promotes health and the environment; and the potential of Intelligent Transport Systems in an urban context. The publication puts forward a methodology for sustainable urban transport planning and introduces a concise set of key messages and recommendations as an input to the Fifth High-level Meeting on Transport, Health and Environment which takes place in

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Vienna from 26-27 November 2020.

Chemistry for Sustainable Development is a collection of selected papers by the participants of the International Conference on Pure and Applied Chemistry (ICPAC 2010) on the theme of "Chemistry for Sustainable Development" held in Mauritius in July 2010. In light of the significant progresses and challenges in the development and implementation of green and sustainable chemistry, this volume reviews the recent results generated by a more efficient use of resources to minimize carbon footprints, to foster the eradication or minimisation of solvent use in chemistry, and to deliver processes which lead to increased harmony between chemistry and the environment. Chemistry for Sustainable Development is written for graduates, postgraduates, researchers in industry and academia who have an interest in the fields ranging from fundamental to applied chemistry.

In this day of digitalization, you can work within the technology of optics without having to fully understand the science behind it. However, for those who wish to master the science, rather than merely be its servant, it's essential to learn the nuances, such as those

involved with studying fringe patterns produced by optical testing interferometers. When *Interferogram Analysis for Optical Testing* originally came to print, it filled the need for an authoritative reference on this aspect of fringe analysis. That it was also exceptionally current and highly accessible made its arrival even more relevant. Of course, any book on something as cutting edge as interferogram analysis, no matter how insightful, isn't going to stay relevant forever. The second edition of *Interferogram Analysis for Optical Testing* is designed to meet the needs of all those involved or wanting to become involved in this area of advanced optical engineering. For those new to the science, it provides the necessary fundamentals, including basic computational methods for studying fringe patterns. For those with deeper experience, it fills in the gaps and adds the information necessary to complete and update one's education. Written by the most experienced researchers in optical testing, this text discusses classical and innovative fringe analysis, principles of Fourier theory, digital image filtering, phase detection algorithms, and aspheric wavelength testing. It also explains how to assess wavefront deformation by calculating slope and local average curvature.

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A systematic search for the references appearing in this bibliography was made in the following for the period 1950 to 1962: Nuclear Science Abstracts; Chemical Abstracts; Science Abstracts, Section A; Engineering Index; Applied Mechanics Review. In addition, Chemical and Engineering Progress and Dissertation abstracts were consulted for theses, and the references in many bibliographies already prepared on this subject were checked. Many references appearing prior to this period have been included because of their importance to the subject.

The Physics of Immortality

From German Colonialism through World War I

A Handbook

Women Writing War

Worlds of Flow

Post-Imperium

**IMO carriage requirement on board LNG Tankers. Looseleaf operating manual for anyone engaged in the carriage of liquefied gases by sea. Provides detailed information on the characteristics of liquefied gases, precautions, hazards and emergency procedures. A series of appendices provide additional information, including chemical data**

**sheets for all liquefied gases carried by sea. Tanker Safety Guide (Liquefied Gas) quantity.**

**Everyday in Europe, people associated with Roma or Traveller communities are exposed to acts of discrimination and exclusion on a scale that has stopped shocking people and institutions. Too often, it is only when lives are claimed that we wake up to the persistence of realities that have no place in any democratic society. Antigypsyism is a term used to refer to the multiple forms of biases, prejudice and stereotype that motivate the everyday discriminatory behaviour of institutions and many individuals towards Roma. Antigypsyism is a form of racial discrimination. Most antigypsyism acts are illegal and contrary to human rights, even when they are not prosecuted, and even if they are widespread and often ignored or tolerated.**

**Antigypsyism undermines the moral fabric of societies. Democracy and human rights cannot take root where discrimination is institutionalised, tolerated or conveniently ignored. Education plays a central role in combating and overcoming antigypsyism because the result of centuries of prejudice cannot be fought by laws and courts alone. Human rights education - learning for, through and about**

**human rights - provides an ideal approach to raising awareness about antigypsyism and promoting a culture of universal human rights. This manual was produced within the Roma Youth Action Plan of the Council of Europe to provide teachers, trainers and facilitators of non-formal education processes with essential information and methodological tools to address antigypsyism with young people of all ages and in any social-cultural setting. It is equally suitable for work with groups of non-Roma, Roma only, or mixed groups. Combating antigypsyism is a task for all of us; learning about it is a necessary starting point. As human beings we have the capability to discriminate and impose prejudice upon others. Fortunately, we are also capable to learn and change. Mirrors is a great help to help us notice this, correct distorted views and to recognise ourselves in the eyes of others.**

**Suitable for advanced undergraduate and graduate students, this text covers general theorems, conservation equations, waves, shocks, and nonisentropic flows, with emphasis on the basics, both conceptual and mathematical. 1958 edition.**

**This work has been selected by scholars as being culturally important,**

**and is part of the knowledge base of civilization as we know it. This work was reproduced from the original artifact, and remains as true to the original work as possible. Therefore, you will see the original copyright references, library stamps (as most of these works have been housed in our most important libraries around the world), and other notations in the work. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. As a reproduction of a historical artifact, this work may contain missing or blurred pages, poor pictures, errant marks, etc. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.**

**Geomagnetism, Aeronomy and Space Weather  
Flow Measurement Engineering Handbook  
Measurement and Safety**

## **All that is Solid Melts Into Air Metal Nanoparticles in Microbiology The Search for Europe**

*The goals of the second volume of the AHDR - Arctic Human Development Report: Regional Processes and Global Linkages - are to provide an update to the first AHDR (2004) in terms of an assessment of the state of Arctic human development; to highlight the major trends and changes unfolding related to the various issues and thematic areas of human development in the Arctic over the past decade; and, based on this assessment, to identify policy relevant conclusions and key gaps in knowledge, new and emerging Arctic success stories. The production of AHDR-II on the tenth anniversary of the first AHDR makes it possible to move beyond the baseline assessment to make valuable comparisons and contrasts across a decade of persistent and rapid change in the North. It addresses critical issues and emerging challenges in Arctic living conditions, quality of life in the North, global change impacts and adaptation, and Indigenous livelihoods. The assessment contributes to our understanding of the interplay and consequences of physical and social change processes affecting Arctic residents' quality of life, at both the regional and global scales. It shows that the Arctic is not a homogenous region. Impacts of globalization and environmental*

*change differ within and between regions, between Indigenous and non-Indigenous northerners, between genders and along other axes. The experience of modernization -- the dizzying social changes that swept millions of people into the capitalist world -- and modernism in art, literature and architecture are brilliantly integrated in this account.*

*The Instrument and Automation Engineers' Handbook (IAEH) is the #1 process automation handbook in the world. Volume one of the Fifth Edition, Measurement and Safety, covers safety sensors and the detectors of physical properties. Measurement and Safety is an invaluable resource that: Describes the detectors used in the measurement of process variables Offers application- and method-specific guidance for choosing the best measurement device Provides tables of detector capabilities and other practical information at a glance Contains detailed descriptions of domestic and overseas products, their features, capabilities, and suppliers, including suppliers' web addresses Complete with 163 alphabetized chapters and a thorough index for quick access to specific information, Measurement and Safety is a must-have reference for instrument and automation engineers working in the chemical, oil/gas, pharmaceutical, pollution, energy, plastics, paper, wastewater, food, etc. industries. About the eBook The most important new feature of the IAEH, Fifth Edition is its*

*availability as an eBook. The eBook provides the same content as the print edition, with the addition of thousands of web addresses so that readers can reach suppliers or reference books and articles on the hundreds of topics covered in the handbook. This feature includes a complete bidders' list that allows readers to issue their specifications for competitive bids from any or all potential product suppliers.*

*Written with the busy practice in mind, this book delivers clinically focused, evidence-based gynecology guidance in a quick-reference format. It explores etiology, screening, tests, diagnosis, and treatment for a full range of gynecologic health issues. The coverage includes the full range of gynecologic malignancies, reproductive endocrinology and infertility, infectious diseases, urogynecologic problems, gynecologic concerns in children and adolescents, and surgical interventions including minimally invasive surgical procedures. Information is easy to find and absorb owing to the extensive use of full-color diagrams, algorithms, and illustrations. The new edition has been expanded to include aspects of gynecology important in international and resource-poor settings.*

*Two-phase (gas-liquid) System: Heat Transfer and Hydraulics*

*The Experience of Modernity*

*The Design of Optical Systems*

***Toward Effective Interventions for Prevention***

***Chemistry for Sustainable Development***

***A History of Hydrodynamics from the Bernoullis to Prandtl***

This book is made up of contributions dealing with heritage stones from different countries around the world. The stones are described, as well as their use in vernacular and contemporaneous architecture. Heritage stones are those stones that have special significance in human culture. Examples include some very important stones that have been either neglected because they are no longer extracted, or stones that have great significance in commercial terms but knowledge of their national and/or international heritage has not been well documented. In this collection of articles, we have tried to spread awareness of architectural heritage around the world, the natural stones that have been used in its construction, and the need to preserve historical quarries that once provided the source of such stones. Historical quarries are linked to regional culture and tradition. Because of the specific technical and aesthetical characteristics of heritage stones, which have lasted for centuries, these historical quarries should be preserved to be able to use the stones for the proper restoration of monuments and historical buildings to avoid negative actions that can be observed in many places in the restoration of buildings, which are some times part of World Heritage sites. The final intention of this book is to continuously grow the interest in this fascinating subject of heritage stones.

The impetus for this book was the desire to systematically organize the extant literature

conservation of cultural property made of wood, from its beginnings before the Christ to the year 2000. Various published reviews and monographs, including *Holzkonserverie* (Wood Conservation) published by the senior author in 1988, have appeared over the especially in English and in German. They have provided exemplary treatment of individual areas or aspects of wood conservation, but a comprehensive, up-to-date exposition of and current developments has been lacking. The diverse professional fields of the authors as well as their insights into methods of conservation and restoration of wood artifacts in Europe, North America, and Asia provided a solid basis for the success of this undertaking. One of the goals during the examination of the literature was that not only well-known conservators and scientists from countries that are leaders in wood conservation should be represented, but that less well-known, often not as readily accessible contributions should be included. Only in this manner was it possible to draw a comprehensive picture of the national and international state of wood conservation. The Art and Archaeology Technical Abstracts (AATA) of the Getty Institute were very helpful in our efforts to evaluate as many publications as possible.

This book presents the proceedings of the International Science and Technology Conference "FarEastCon 2019," which took place on October 1–4, 2019, in Vladivostok, Russian Federation. The conference provided a platform for gathering expert opinions on project initiatives aimed at the implementation of far-sighted scientific research and development and allowed current theoretical and practical advances to be shared with the broader

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community. Featuring selected papers from the conference, this book will be of interest to experts in various fields whose work involves developing innovative solutions and increasing the efficiency of economic activities.

Single-source handbook to the selection, design, specification, and installation of flowmeters for measuring liquid, gas, and steam flows. Miller (president, RW Miller Consulting) supplies key information on seven-place equation constants and simplifying equations and includes many examples, graphs, and tables to help improve performance, and save time and expense. The revised edition features the latest ISO, ASME, and ANSI-related standards, meter influence quantities for flowmeters, and proposed orifice and nozzle equations. The nine appendices present discussions and proofs, and the generalized properties of liquids and gases. Provides definitive information on selecting, sizing, and performing pipe-flow-rate calculations, using the latest ISO and ANSI standards in both SI and US equivalents. Also presents physical property data, support material for important fluid properties, accurate estimation and installation requirements for all commonly used flowmeters, guides to selection and accuracy, and coverage of linear/differential producers. Includes tabular and graphical representations of equations and extensive cross-referenced appendices.

Non-Rocket Space Launch and Flight

Would Trotsky Wear a Bluetooth?

Surface Chemistry Essentials

Regional Processes and Global Linkages

Liquefied Gas

Clinical Gynecology

Surface chemistry plays an important role in everyday life, as the basis for many phenomena as well as technological applications. Common examples range from soap bubbles, foam, and raindrops to cosmetics, paint, adhesives, and pharmaceuticals. Additional areas that rely on surface chemistry include modern nanotechnology, medical diagnostics, and d

A comprehensive introduction to the burgeoning field of photonics The field of photonics is finding increasing applications across a broad range of industries. While many other books provide an overview of the subject, *Fundamentals of Light Sources and Lasers* closes a clear gap in the current literature by concentrating on the principles of laser operation as well as providing coverage of important concepts necessary to fully understand the principles involved. The scope of the book includes everything a professional needs to get up to speed in the field, as well as all the material necessary to serve as an excellent introductory laser course for students. Ideal for self-study as well as structured coursework, the book offers thorough coverage of:

- \* The nature of light and atomic emission
- \* Basic quantum mechanics and laser processes
- \* Cavity optics, fast-pulse production, and nonlinear optical phenomena
- \* Laser technology,

including visible gas lasers, UV gas lasers, infrared gas lasers, solid-state lasers, semiconductor lasers and tunable dye lasers. Extensive real-world case studies are included to help readers appreciate the practical applications of the material covered. \*An Instructor's Manual presenting detailed solutions to all the problems in the book is available from the Wiley editorial department.

The eighth volume in the annual series sponsored by BBVA as part of its OpenMind initiative devoted to disseminating knowledge on key issues of our time, *The Search for Europe* analyses the present and future of the old continent and its integration project, which is certainly the most ambitious political and economic integration project ever attempted in history, and a benchmark for similar processes in other regions.

This textbook explores both the theoretical foundation of the Finite Volume Method (FVM) and its applications in Computational Fluid Dynamics (CFD). Readers will discover a thorough explanation of the FVM numerics and algorithms used for the simulation of incompressible and compressible fluid flows, along with a detailed examination of the components needed for the development of a collocated unstructured pressure-based CFD solver. Two particular CFD codes are explored. The first is uFVM, a three-dimensional unstructured pressure-based finite volume academic CFD code, implemented

within Matlab. The second is OpenFOAM®, an open source framework used in the development of a range of CFD programs for the simulation of industrial scale flow problems. With over 220 figures, numerous examples and more than one hundred exercise on FVM numerics, programming, and applications, this textbook is suitable for use in an introductory course on the FVM, in an advanced course on numerics, and as a reference for CFD programmers and researchers.

A Eurasian Story

Modern Optical Engineering

Fundamentals of Light Sources and Lasers

Mirrors - Manual on combating antigypsyism through human rights education

The Finite Volume Method in Computational Fluid Dynamics

Conservation of Wood Artifacts

To support strategic planning efforts on noncommunicable diseases (NCDs), this book assesses the latest evidence on NCD prevalence and risk factors in Saudi Arabia, explores the health and economic burden of NCDs as well as their impact on human capital, and identifies key gaps in efforts to prevent NCDs and ways to address these gaps.

After visiting Russia in 1921, the journalist Lincoln

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Steffens famously declared, "I have seen the future, and it works." Steffens referred to the social experiment of technological utopianism he found in the Soviet Union, where subway cars and farm tractors would carry the worker and peasant -- figuratively and literally -- into the twentieth century. Believing that socialism and technology together created a brave new world, Boleslaw Bierut of Poland and Kim Il Sung of North Korea -- and other leaders -- joined Russia's Vladimir Lenin and Leon Trotsky in embracing big technology with a verve and conviction that rivaled the western world's. Paul R. Josephson here explores these utopian visions of technology -- and their unanticipated human and environmental costs. He examines the role of technology in communist plans and policies and the interplay between ideology and technological development. He shows that while technology was a symbol of regime legitimacy and an engine of progress, the changes it spurred were not unequivocally positive. Instead of achieving a worker's paradise, socialist technologies exposed the proletariat to

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dangerous machinery and deadly pollution; rather than freeing women from exploitation in family and labor, they paradoxically created for them the dual -- and exhausting -- burdens of mother and worker. The future did not work. The fall of the Soviet Union in 1991 marked the end of communism's self-proclaimed glorious quest to "reach and surpass" the West. Josephson's intriguing study of how technology both helped and hindered this effort asks new and important questions about the crucial issues inextricably linked with the development and diffusion of technology in any sociopolitical system.

Recent scholarship has broadened definitions of war and shifted from the narrow focus on battles and power struggles to include narratives of the homefront and private sphere. To expand scholarship on textual representations of war means to shed light on the multiple theaters of war, and on the many voices who contributed to, were affected by, and/or critiqued German war efforts. Engaged women writers and artists commented on their nations' imperial and colonial

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ambitions and the events of the tumultuous beginning of the twentieth century. In an interdisciplinary investigation, this volume explores select female-authored, German-language texts focusing on German colonial wars and World War I and the discourses that promoted or critiqued their premises. They examine how colonial conflicts contributed to a persistent atmosphere of *Kriegsbegeisterung* (war enthusiasm) that eventually culminated in the outbreak of World War I, or a *Kriegskritik* (criticism of war) that resisted it. The span from German colonialism to World War I brings these explosive periods into relief and challenges readers to think about the intersection of nationalism, violence and gender and about the historical continuities and disruptions that shape such events.

How can biological markers help assess and predict human health risks? Find out the answers to this question and others in this timely new book examining the use of biological markers in animals and plants for evaluating the ecological and health effects of environmental

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contamination. The book explains the concept of environmental sentinels, presents example of field studies and discusses the utility of biomarkers within a risk analysis paradigm. Anyone who needs to know how to assess and predict environmental contamination should consider this book essential reading.

Interferogram Analysis For Optical Testing

A Journey from the Earth's Core to the Sun

Instrument and Automation Engineers' Handbook

The Illustrated London News

Concepts and Methods of the U.S. Input-Output Accounts -  
Scholar's Choice Edition

Modern Cosmology, God, and the Resurrection of the Dead

***The war in Georgia. Tensions with Ukraine and other nearby countries. Moscow's bid to consolidate its "zone of privileged interests" among the Commonwealth of Independent States. These volatile situations all raise questions about the nature of and prospects for Russia's relations with its neighbors. In this book, Carnegie scholar Dmitri Trenin argues that Moscow needs to drop the notion of creating an exclusive power center out of the post-Soviet space. Like other former European empires, Russia***

***will need to reinvent itself as a global player and as part of a wider community. Trenin's vision of Russia is an open Euro-Pacific country that is savvy in its use of soft power and fully reconciled with its former borderlands and dependents. He acknowledges that this scenario may sound too optimistic but warns that the alternative is not a new version of the historic empire but instead is the ultimate marginalization of Russia. A revised version of a text which was first published in 1966. The book is designed as a general reference book for engineers and assumes a broad knowledge of current optical systems and their design. Additional topics include fibre optics, thin films and CAD systems.***

***This book addresses the challenges and opportunities of contemporary and future development of Eurasia. The main theme of the first part of the book is examining the reaction evoked in different countries by the Chinese "Belt and Road Initiative." The second part analyses other national and international integration and infrastructure projects in Eurasia. This unique publication brings together in one volume works by leading researchers from different countries, all united by their common interest in the political and economic processes unfolding in the Eurasian continent. By offering various points of view from experts from all over the world, this book provides a multi-dimensional analysis of the Eurasian future and will be of value to a wide range of readers, including scholars, publicists, the international business community and decision-makers.***

***An interdisciplinary review of research in geomagnetism, aeronomy and space weather, written by eminent researchers from these fields.  
October 2019, Vladivostok, Russian Federation, Far Eastern Federal University***

***Mathematical Theory of Compressible Fluid Flow  
Proceeding of the International Science and Technology Conference  
"FarEastCon 2019"***

***Technological Utopianism under Socialism, 1917-1989  
A Textbook for Engineers and Technologists***

***The "Roads" and "Belts" of Eurasia***

***This updated edition of Gesser's classic textbook has undergone a full revision and now has the latest material, including new chapters on semiconductors and nanotechnology. It includes a supplementary laboratory section with stepwise experimental protocols.***

***This book provides the first fully-fledged history of hydrodynamics, including lively accounts of the concrete problems of hydraulics, navigation, blood circulation, meteorology, and aeronautics that motivated the main conceptual innovations. Richly illustrated, technically***

*competent, and philosophically sensitive, it should attract a broad audience and become a standard reference for any one interested in fluid mechanics.*

*Following an introduction to biogenic metal nanoparticles, this book presents how they can be biosynthesized using bacteria, fungi and yeast, as well as their potential applications in biomedicine. It is shown that the synthesis of nanoparticles using microbes is eco-friendly and results in reproducible metal nanoparticles of well-defined sizes, shapes and structures. This biotechnological approach based on the process of biomineralization exploits the effectiveness and flexibility of biological systems.*

*Chapters include practical protocols for microbial synthesis of nanoparticles and microbial screening methods for isolating a specific nanoparticle producer as well as reviews on process optimization, industrial scale production, biomolecule-nanoparticle interactions, magnetosomes, silver nanoparticles and their numerous applications in medicine, and the application of gold*

*nanoparticles in developing sensitive biosensors.*  
*Process Measurement and Analysis, Fifth Edition - Two*  
*Volume Set*  
*Noncommunicable Diseases in Saudi Arabia*  
*Nuclear Science Abstracts*  
*Promoting Active Mobility*  
*Arctic Human Development Report*  
*An Advanced Introduction with OpenFOAM® and Matlab*