Valero Process Operator Test

Management of Dead Bodies in Disaster SituationsMaster the Case Worker ExamGovernment Reports Announcements & IndexHigh Performance ComputingTaste and Odour in Source and Drinking WaterWest's federal supplement. Second seriesComputer Performance EngineeringFormal Methods for Real-Time and Probabilistic SystemsTransactions on Computational Science IIDepartment of Defense Fuel Spending, Supply, Acquisition, and PolicySemiconductor InternationalPetroleum AbstractsSignificance, Prevention and Control of Food Related DiseasesMaterials PerformanceLabor CasesStrengthsFinder 2. 0 - ThaiCast Exam Secrets, Study Guide: Cast Test Review for the Construction and Skilled Trades ExamProceedings, Annual ConventionMultivariable System Identification For Process ControlInformation Processing and Management of Uncertainty in Knowledge-Based Systems. Theory and FoundationsLaw Enforcement Aptitude Battery (Leab)Technological Approaches for Novel Applications in Dairy ProcessingPlanet/CubaMathematical ReviewsJournal of Petroleum TechnologyBiosystems EngineeringFundamentals of NeuromechanicsHogan Personality Inventory ManualWonderlic Basic Skills Test Practice QuestionsDaily Labor ReportProceedings of the ASME Advanced Energy Systems DivisionPlant Operator Selection System SecretsProceedingsPattern Recognition and Machine LearningFinding a Path to Safety in Food AllergyManagement of Legionella in

Water SystemsValidation of Stochastic SystemsTreasury Enforcement Agent ExamSeventh International Conference on Real-Time Computing Systems and ApplicationsIntelligent Information and Database Systems

Management of Dead Bodies in Disaster Situations

Legionnaires' disease, a pneumonia caused by the Legionella bacterium, is the leading cause of reported waterborne disease outbreaks in the United States. Legionella occur naturally in water from many different environmental sources, but grow rapidly in the warm, stagnant conditions that can be found in engineered water systems such as cooling towers, building plumbing, and hot tubs. Humans are primarily exposed to Legionella through inhalation of contaminated aerosols into the respiratory system. Legionnaires' disease can be fatal, with between 3 and 33 percent of Legionella infections leading to death, and studies show the incidence of Legionnaires' disease in the United States increased five-fold from 2000 to 2017. Management of Legionella in Water Systems reviews the state of science on Legionella contamination of water systems, specifically the ecology and diagnosis. This report explores the process of transmission via water systems, quantification, prevention and control, and policy and training issues that affect the incidence of Legionnaires' disease. It also analyzes existing knowledge gaps and recommends research priorities

moving forward.

Master the Case Worker Exam

Government Reports Announcements & Index

Technological innovations, customer expectations, and economical situations have been forcing the dairy industry to adapt to changes in technologies and products. The goal of this book is to present some new approaches on dairy processing. It will provide several applications on the use of some novel technologies in various dairy products, the improvement of functionalities and quality systems of dairy products, and the advances in dairy wastewater treatment. The book will be useful for both practicing professionals and researchers in the dairy field. I would like to send my sincere thanks to all the authors for their hard work and contributions.

High Performance Computing

This is the first textbook on pattern recognition to present the Bayesian viewpoint. The book presents approximate inference algorithms that permit fast approximate answers in situations where exact answers are not feasible. It uses graphical models to describe probability distributions when no other books apply graphical models to machine learning. No previous knowledge of pattern recognition or machine learning concepts is assumed. Familiarity with

multivariate calculus and basic linear algebra is required, and some experience in the use of probabilities would be helpful though not essential as the book includes a self-contained introduction to basic probability theory.

Taste and Odour in Source and Drinking Water

West's federal supplement. Second series

Computer Performance Engineering

Formal Methods for Real-Time and Probabilistic Systems

Transactions on Computational Science II

Includes Practice Test Questions CAST Exam Secrets helps you ace the Construction and Skilled Trades Exam, without weeks and months of endless studying. Our comprehensive CAST Exam Secrets study guide is written by our exam experts, who painstakingly researched every topic and concept that you need to know to ace your test. Our original research reveals specific weaknesses that you can exploit to increase your exam score more than you've

ever imagined. CAST Exam Secrets includes: The 5 Secret Keys to CAST Exam Success: Time is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself; A comprehensive General Strategy review including: Make Predictions, Answer the Question, Benchmark, Valid Information, Avoid Fact Traps, Milk the Question, The Trap of Familiarity, Eliminate Answers, Tough Questions, Brainstorm, Read Carefully, Face Value, Prefixes, Hedge Phrases, Switchback Words, New Information, Time Management, Contextual Clues, Don't Panic, Pace Yourself, Answer Selection, Check Your Work, Beware of Directly Quoted Answers, Slang, Extreme Statements, Answer Choice Families; A comprehensive Content review including: Fractions, Exponents, Mechanical Concepts, Physics, Displacement, Fluids, Linear Momentum, Surface Area, Simple Machines, Reading Comprehension, Screws, Time Saving Tips, Skimming, Order of Operations, Integers, Lines and Angles, Percents, Distributive Properties, Wedges, Composite Numbers, Fractions, Inclined Planes, Power, Friction, Acceleration, Exponents, Time Management, Mathematical Usage, Contextual Clues, Ratios, Levers, Wheels and Axles, Geometry, Velocity, Mechanical Energy, Averages, Graphic Arithmetic, Triangles, Word Problems, Kinetic Energy, Torque, Pressure, and much more

Department of Defense Fuel Spending, Supply, Acquisition, and Policy

Peterson's Master the Case Worker Exam provides you with an effective review of Hospital Environment, Social Services, and Eligibility Specialist case worker exams. Case workers play an essential role in helping people solve financial, health, and social problems and improving their ability to function within society. Peterson's guide will help to prepare you for your career as a case worker.

Semiconductor International

I wish to welcome all of you to the International Symposium on High Perf- mance Computing 2000 (ISHPC 2000) in the megalopolis of Tokyo. After having two great successes with ISHPC'97 (Fukuoka, November 1997) and ISHPC'99 (Kyoto, May 1999), many people have requested that the symposium would be held in the capital of Japan and we have agreed. I am very pleased to serve as Conference Chair at a time when high p- formance computing (HPC) has a signi?cant in?uence on computer science and technology. In particular, HPC has had and will continue to have a signi?cant - pact on the advanced technologies of the "IT" revolution. The many conferences and symposiums that are held on the subject around the world are an indication of the importance of this area and the interest of the research community. One of the goals of this symposium is to provide a forum for the discussion of all aspects of HPC (from system architecture to real applications) in a more informal and personal fashion. Today we are delighted to have this symposium, which includes excellent invited talks, tutorials and

workshops, as well as high quality technical papers.

Petroleum Abstracts

Significance, Prevention and Control of Food Related Diseases

Materials Performance

Labor Cases

This three volume set (CCIS 853-855) constitutes the proceedings of the 17th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, IPMU 2017, held in Cádiz, Spain, in June 2018. The 193 revised full papers were carefully reviewed and selected from 383 submissions. The papers are organized in topical sections on advances on explainable artificial intelligence; aggregation operators, fuzzy metrics and applications; belief function theory and its applications; current techniques to model, process and describe time series; discrete models and computational intelligence; formal concept analysis and uncertainty; fuzzy implication functions; fuzzy logic and artificial intelligence problems; fuzzy mathematical analysis and applications; fuzzy methods in data mining and knowledge discovery; fuzzy transforms: theory and applications to data analysis and image processing; imprecise

probabilities: foundations and applications; mathematical fuzzy logic, mathematical morphology; measures of comparison and entropies for fuzzy sets and their extensions; new trends in data aggregation; pre-aggregation functions and generalized forms of monotonicity; rough and fuzzy similarity modelling tools; soft computing for decision making in uncertainty; soft computing in information retrieval and sentiment analysis; tri-partitions and uncertainty; decision making modeling and applications; logical methods in mining knowledge from big data; metaheuristics and machine learning; optimization models for modern analytics; uncertainty in medicine; uncertainty in Video/Image Processing (UVIP).

StrengthsFinder 2. 0 - Thai

This manual will ensure that the management of massive fatalities forms part of disaster preparedness and response plans, and that it is a fundamental aspect of humanitarian assistance to survivors and rehabilitation and reconstruction programs. The manual provides the technical information that will support the correct approach to handling dead bodies. Contents: Preparedness for mass deaths; Medicolegal work in major disasters; Health considerations in cases of mass fatalities; Sociocultural aspects; Psychological aspects; Legal aspects; Cases studies; Final recommendations; Myths and realities of management of dead bodies in disasters; and Glossary. Illustrations.

Cast Exam Secrets, Study Guide: Cast

Test Review for the Construction and Skilled Trades Exam

This book provides an updated evaluation of the characterization and management of taste and odour (T&O) in source and drinking waters. Authored by international experts from the IWA Specialist Group on Off-flavours in the Aquatic Environment, the book represents an important resource that synthesizes current knowledge on the origins, mitigation, and management of aquatic T&O problems. The material provides new knowledge for an increasing widespread degradation of source waters and global demand for high quality potable water. Key topics include early warning, detection and source-tracking, chemical, sensory and molecular diagnosis, treatment options for common odorants and minerals, source management, modelling and risk assessment, and future research directions. Taste and Odour in Source and Drinking Water is directed towards a wide readership of scientists, engineers, technical operators and managers, and presents both practical and theoretical material, including an updated version of the benchmark Drinking Water Taste and Odour Wheel and a new biological wheel to provide a practical and informative tool for the initial diagnosis of the chemical and biological sources of aquatic T&O.

Proceedings, Annual Convention

Multivariable System Identification For Process Control

DoD fuel consumption varies from year to year in response to changes in mission and the tempo of operations. DoD may consume upwards of 1% of the petroleum products refined in the U.S. annually. The majority of DoD¿s bulk fuel purchases are for jet fuel, which has ranged as high as 101 million barrels annually in the past decade. The U.S. refining industry has been supplying 50% of DoD¿s jet fuel. Contents of this report: (1) Background; (2) Fuel Purchases: DoD Fuel Cost vs. Commercial Fuel Price; (3) Refining, Suppliers, and the Crude Oil Supply: Crude Oil Supply; Refining; Sulfur Reg¿s.; Greenhouse Gas Reg¿n.; U.S. Refiners Supplying DoD Fuel; Refinery Jet Fuel Yield and Supply; (4) Fuel Acquisition: Acquisition Reg¿s.; Alternative Fuels. Illustrations.

Information Processing and Management of Uncertainty in Knowledge-Based Systems. Theory and Foundations

This volume contains the proceedings of the 7th European Performance En- neering Workshop (EPEW 2010), held in Bertinoro, Italy, on September 23–24, 2010. The purpose of this workshop series is to gather academic and industrial researchers working on all aspects of performance engineering. This year the workshop was structured around three main areas: system and network p- formance engineering, software performance engineering, and the modeling and evaluation techniques supporting them. This edition of the workshop attracted 38 submissions, whose authors we wish to thank for their interest in EPEW 2010. After a careful review process during

which every paper was refereed by at least three reviewers, the Program Committee selected 16 papers for presentation at the workshop. We warmly thank all the members of the ProgramCommittee and all the reviewersfor their fair and constructive comments and discussions. The workshop program was enriched by two keynote talks given by Marco Roccetti and Ralf Reussner. We conclude by expressing our gratitude to all the people who contributed to the organization of EPEW 2010, in particular the sta? of the University Residential Center of Bertinoro. We are also grateful to the EasyChair team for having allowed us to use their conference system and Springer for the continued editorial support of this workshop series.

Law Enforcement Aptitude Battery (Leab)

A full-text reporter of decisions rendered by federal and state courts throughout the United States on federal and state labor problems, with case table and topical index.

Technological Approaches for Novel Applications in Dairy Processing

Planet/Cuba

Transformations in Cuban art, literature and culture in the post-Fidel era Cuba has been in a state of massive transformation over the past decade, with its historic

resumption of diplomatic relations with the United States only the latest development. While the political leadership has changed direction, other forces have taken hold. The environment is under threat, and the culture feels the strain of new forms of consumption. Planet/Cuba examines how art and literature have responded to a new moment, one both more globalized and less exceptional; more concerned with local quotidian worries than international alliances; more threatened by the depredations of planetary capitalism and climate change than by the vagaries of the nation's government. Rachel Price examines a fascinating array of artists and writers who are tracing a new socio-cultural map of the island. From the Trade Paperback edition.

Mathematical Reviews

Journal of Petroleum Technology

Metrics and quality assurance; knowledge and logic based systems; object-orientated techniques; validation and verification; distributed and mobile systems; software design methodology; software process; user interaction; and testing software are some of the areas examined in this book.

Biosystems Engineering

Proceedings of the December 2000 conference that brought together researchers and developers from academia and industry world wide for advancing the

technology of real-time computing systems and applications. The eight sessions included four invited talks, 41 regular papers and 28 short contribution

Fundamentals of Neuromechanics

Systems and control theory has experienced significant development in the past few decades. New techniques have emerged which hold enormous potential for industrial applications, and which have therefore also attracted much interest from academic researchers. However, the impact of these developments on the process industries has been limited. The purpose of Multivariable System Identification for Process Control is to bridge the gap between theory and application, and to provide industrial solutions, based on sound scientific theory, to process identification problems. The book is organized in a reader-friendly way, starting with the simplest methods, and then gradually introducing more complex techniques. Thus, the reader is offered clear physical insight without recourse to large amounts of mathematics. Each method is covered in a single chapter or section, and experimental design is explained before any identification algorithms are discussed. The many simulation examples and industrial case studies demonstrate the power and efficiency of process identification, helping to make the theory more applicable. MatlabTM M-files, designed to help the reader to learn identification in a computing environment, are included.

Hogan Personality Inventory Manual

This book constitutes the refereed proceedings of the Fifth International AMAST Workshop on Formal Methods for Real-Time and Probabilistic Systems, ARTS '99, held in Bamberg, Germany in May 1999. The 17 revised full papers presented together with three invited contributions were carefully reviewed and selected from 33 submissions. The papers are organized in topical sections on verification of probabilistic systems, model checking for probabilistic systems, semantics of probabilistic process calculi, semantics of real-time processes, real-time compilation, stochastic process algebra, and modeling and verification of real-time systems.

Wonderlic Basic Skills Test Practice Questions

Over the past 20 years, public concerns have grown in response to the apparent rising prevalence of food allergy and related atopic conditions, such as eczema. Although evidence on the true prevalence of food allergy is complicated by insufficient or inconsistent data and studies with variable methodologies, many health care experts who care for patients agree that a real increase in food allergy has occurred and that it is unlikely to be due simply to an increase in awareness and better tools for diagnosis. Many stakeholders are concerned about these increases, including the general public, policy makers, regulatory agencies, the food industry, scientists, clinicians, and especially families of children and young people suffering from food allergy. At the present time, however, despite a mounting body of

data on the prevalence, health consequences, and associated costs of food allergy, this chronic disease has not garnered the level of societal attention that it warrants. Moreover, for patients and families at risk, recommendations and guidelines have not been clear about preventing exposure or the onset of reactions or for managing this disease. Finding a Path to Safety in Food Allergy examines critical issues related to food allergy, including the prevalence and severity of food allergy and its impact on affected individuals, families, and communities; and current understanding of food allergy as a disease, and in diagnostics, treatments, prevention, and public policy. This report seeks to: clarify the nature of the disease, its causes, and its current management; highlight gaps in knowledge; encourage the implementation of management tools at many levels and among many stakeholders; and delineate a roadmap to safety for those who have, or are at risk of developing, food allergy, as well as for others in society who are responsible for public health.

Daily Labor Report

The Law Enforcement Aptitude Battery (LEAB) Passbook(R) prepares you for your test by allowing you to take practice exams in the subjects you need to study. It provides hundreds of questions and answers in the areas that will likely be covered on your upcoming exam, including but not limited to: law-enforcement situations and procedures; police reading comprehension; preparing, understanding and interpreting written material; applying rules and

regulations; evaluating information and evidence; and more.

Proceedings of the ASME Advanced Energy Systems Division

Includes Practice Test Questions Plant Operator Selection System Secrets helps you ace the Plant Operator Selection System without weeks and months of endless studying. Our comprehensive Plant Operator Selection System Secrets study guide is written by our exam experts, who painstakingly researched every topic and concept that you need to know to ace your test. Our original research reveals specific weaknesses that you can exploit to increase your exam score more than you've ever imagined. Plant Operator Selection System Secrets includes: The 5 Secret Keys to POSS Exam Success: Time is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself; A comprehensive General Strategy review including: Make Predictions, Answer the Question, Benchmark, Valid Information, Avoid Fact Traps, Milk the Question, The Trap of Familiarity, Eliminate Answers, Tough Questions, Brainstorm, Read Carefully, Face Value, Prefixes, Hedge Phrases, Switchback Words, New Information, Time Management, Contextual Clues, Don't Panic, Pace Yourself, Answer Selection, Check Your Work, Beware of Directly Quoted Answers, Slang, Extreme Statements, Answer Choice Families; A comprehensive Content review including: Power Plant Operator, Specialized Training, Solve Problems,

Adjustments, Electrical Power Station, Logs of Performance and Maintenance, Production, Safe Working Conditions, Emergency Situations, Water Treatment Plant, Test Results, Independent Contractor, Mechanical Concepts, Tables and Graphs, Reading Comprehension, Mathematical Usage, Index Score, Good Night's Sleep, Complete and Balanced Breakfast, Drink Plenty of Water, Practice Exercises, Assembly Questions, Double-Check Your Work, Jigsaw Puzzles, Electronics Equipment, Spatial Intelligence, Manipulate Three-Dimensional Objects, Mechanical Concepts, Basics of Physics, Velocity of an Object, Speed, Acceleration, and much more

Plant Operator Selection System Secrets

This book provides a conceptual and computational framework to study how the nervous system exploits the anatomical properties of limbs to produce mechanical function. The study of the neural control of limbs has historically emphasized the use of optimization to find solutions to the muscle redundancy problem. That is, how does the nervous system select a specific muscle coordination pattern when the many muscles of a limb allow for multiple solutions? I revisit this problem from the emerging perspective of neuromechanics that emphasizes finding and implementing families of feasible solutions, instead of a single and unique optimal solution. Those families of feasible solutions emerge naturally from the interactions among the feasible neural commands, anatomy of the limb, and constraints of the task. Such alternative perspective

to the neural control of limb function is not only biologically plausible, but sheds light on the most central tenets and debates in the fields of neural control, robotics, rehabilitation, and brain-body co-evolutionary adaptations. This perspective developed from courses I taught to engineers and life scientists at Cornell University and the University of Southern California, and is made possible by combining fundamental concepts from mechanics, anatomy, mathematics, robotics and neuroscience with advances in the field of computational geometry. Fundamentals of Neuromechanics is intended for neuroscientists, roboticists, engineers, physicians, evolutionary biologists, athletes, and physical and occupational therapists seeking to advance their understanding of neuromechanics. Therefore, the tone is decidedly pedagogical, engaging, integrative, and practical to make it accessible to people coming from a broad spectrum of disciplines. I attempt to tread the line between making the mathematical exposition accessible to life scientists, and convey the wonder and complexity of neuroscience to engineers and computational scientists. While no one approach can hope to definitively resolve the important questions in these related fields, I hope to provide you with the fundamental background and tools to allow you to contribute to the emerging field of neuromechanics.

Proceedings

Pattern Recognition and Machine

Learning

The competition is fierce for positions in treasury enforcement-afterall, this career path offers a solid salary, excellent benefits, job security, and promotion potential to a G-12 level. Full of the latest information and updates in the laws, Treasury Enforcement Agent Exam provides candidates with a comprehensive roundup of the wide array of career choices possible as a treasury enforcement agent, sample applications, an overview of the required training, sample questions and detailed answers, and much more. Treasury Enforcement Agent Exam also includes: --Three self-scoring practice exams with answers and explanations --A diagnostic pretest so candidates can determine which areas might give them the most trouble and they can prepare accordingly --Methods for developing essential skills for Problems for Investigation section --A proven learning system that increases memory retention, conquers test anxiety, and boosts confidence

Finding a Path to Safety in Food Allergy

Management of Legionella in Water Systems

The denotational and expressive needs in cognitive informatics, computational intelligence, software engineering, and knowledge engineering have led to the development of new forms of mathematics collectively known as denotational mathematics.

Denotational mathematics is a category of mathematical structures that formalize rigorous expressions and long-chain inferences of system compositions and behaviors with abstract concepts, complex relations, and dynamic processes. Typical paradigms of denotational mathematics are concept algebra, system algebra, Real-Time Process Algebra (RTPA), Visual Semantic Algebra (VSA), fuzzy logic, and rough sets. A wide range of applications of denotational mathematics have been identified in many modern science and engineering disciplines that deal with complex and intricate mathematical entities and structures beyond numbers, Boolean variables, and traditional sets. This issue of Springer's Transactions on Computational Science on Denotational Mathematics for Computational Intelligence presents a snapshot of current research on denotational mathematics and its engineering applications. The volume includes selected and extended papers from two international conferences, namely IEEE ICCI 2006 (on Cognitive Informatics) and RSKT 2006 (on Rough Sets and Knowledge Technology), as well as new contributions. The following four important areas in denotational mathem- ics and its applications are covered: Foundations and applications of denotational mathematics, focusing on: a) c- temporary denotational mathematics for computational intelligence; b) deno- tional mathematical laws of software; c) a comparative study of STOPA and RTPA; and d) a denotational mathematical model of abstract games.

Validation of Stochastic Systems

The two-volume set LNAI 12033 and 11034 constitutes the refereed proceedings of the 12th Asian Conference on Intelligent Information and Database Systems, ACIIDS 2020, held in Phuket, Thailand, in March 2020. The total of 105 full papers accepted for publication in these proceedings were carefully reviewed and selected from 285 submissions. The papers of the first volume are organized in the following topical sections: Knowledge Engineering and Semantic Web, Natural Language Processing, Decision Support and Control Systems, Computer Vision Techniques, Machine Learning and Data Mining, Deep Learning Models, Advanced Data Mining Techniques and Applications, Multiple Model Approach to Machine Learning. The papers of the second volume are divided into these topical sections: Application of Intelligent Methods to Constrained Problems, Automated Reasoning with Applications in Intelligent Systems, Current Trends in Arti cial Intelligence, Optimization, Learning,and Decision-Making in Bioinformatics and Bioengineering, Computer Vision and Intelligent Systems, Data Modelling and Processing for Industry 4.0, Intelligent Applications of Internet of Things and Data AnalysisTechnologies, Intelligent and Contextual Systems, Intelligent Systems and Algorithms in Information Sciences, Intelligent Supply Chains and e-Commerce, Privacy, Security and Trust in Arti cial Intelligence, Interactive Analysis of Image, Video and Motion Data in LifeSciences.

Treasury Enforcement Agent Exam

Seventh International Conference on Real-Time Computing Systems and Applications

Food-borne diseases are major causes of morbidity and mortality in the world. It is estimated that about 2.2 million people die yearly due to food and water contamination. Food safety and consequently food security are therefore of immense importance to public health, international trade and world economy. This book, which has 10 chapters, provides information on the incidence, health implications and effective prevention and control strategies of food-related diseases. The book will be useful to undergraduate and postgraduate students, educators and researchers in the fields of life sciences, medicine, agriculture, food science and technology, trade and economics. Policy makers and food regulatory officers will also find it useful in the course of their duties.

Intelligent Information and Database Systems

Wonderlic Basic Skills Test Practice Questions are the simplest way to prepare for the Wonderlic Basic Skills Test. Practice is an essential part of preparing for a test and improving a test taker's chance of success. The best way to practice taking a test is by going through lots of practice test questions. Our Wonderlic

Basic Skills Test Practice Questions give you the opportunity to test your knowledge on a set of questions. You can know everything that is going to be covered on the test and it will not do you any good on test day if you have not had a chance to practice. Repetition is a key to success and using practice test questions allows you to reinforce your strengths and improve your weaknesses. Detailed answer explanations are also included for each question. It may sound obvious, but you have to know which questions you missed (and more importantly why you missed them) to be able to avoid making the same mistakes again when you take the real test. That's why our Wonderlic Basic Skills Test Practice Questions include answer keys with detailed answer explanations. These in-depth answer explanations will allow you to better understand any questions that were difficult for you or that you needed more help to understand.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION