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Automation and Instrumentation for Power Plants M. Ramamoorthy 2016-01-22 An analysis of power systems, control hardware, modelling and simulation, instrumentation, and computers and distributed systems. The stability of plants and their interaction in a multi-machine system is also discussed, as well as an analysis of the values of LOFT ATWS EVENT for PWR and the new algorithm of on-line ELD for thermal power plants.

**The Bariatric Bible** Carol Bowen Ball 2019-07-19 After Carol Bowen Ball underwent bariatric surgery she found there was very little practical information for weight-loss surgery patients and as a result she wrote the first (and to date only) UK bariatric advice and cookery book - Return to Slender. At the same time she launched BariatricCookery.com a website to support the same patients. A year later she wrote a sequel Return 2 Slender... Second Helpings. Both books have been widely praised by the professional bariatric community as well as pre-op and post-op patients. The recipes in The Bariatric Bible are designed and developed to help at every stage after weight-loss surgery. They are colour-coded to suit the 3 main stages afterwards. These are: the Red or 1st Fluids Stage, the Amber or 2nd Soft/Puréed Stage, the Green or 3rd Eating for Life Stage. They will have a nutritional analysis breakdown. This includes measured calories, protein, carbohydrate and fat levels. Recipes are also further coded for suitability for freezing and for vegetarian eating. A new bariatric lifestyle however isn't just about food - it is also about exercise, changes in behaviour and relationships, adhering to essential medications; coping with unsettling situations that can de-rail the best of intentions, dealing with social situations like eating out; finding new ideas for a changing body through fashion and beauty advice; and making new healthier habits to replace old destructive ones. As a result the book will be the most comprehensive book of any currently on the market. It also covers the types of surgery on offer and highlights the many diets that are required prior to surgery - sometimes to lose weight as part of the qualification process. However, its main focus on advice and recipes for after surgery to help the post-op patient maximise their best chance of long-term success with weight-loss and better health.

Issues in Computer Science and Theory: 2013 Edition 2013-05-01 Issues in Computer Science and Theory / 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Soft Computing. The editors have built Issues in Computer Science and Theory: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Soft Computing in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Computer Science and Theory: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Advanced Bariatric and Metabolic Surgery Cih-Kun Huang 2012-02-29 Bariatric surgery has gained importance in the last 20 years because of the high prevalence of global obesity, and the vast understating of the physiological and pathological aspects of obesity and associated metabolic syndromes. This book has been written by a number of highly outstanding authors and pioneering bariatric surgeons from all over the world. The intended audience for this book includes all medical professionals involved in caring for bariatric patients. The chapters cover the choice of operation, preoperative preparation including psychological aspect, postoperative care and management of complication. It also extends to concept and result of metabolic surgery and scarless bariatric surgery.

**SCIAMACHY - Exploring the Changing Earth's Atmosphere** Manfred Gottwald 2010-12-08 SCIAMACHY, the SCanning Imaging Absorption spectroMeter for Atmospheric CHartography, is a passive sensor for exploring the Earth's atmosphere. It is part of the payload of the European Earth Observation mission ENVISAT, launched on 1 March 2002. SCIAMACHY observes absorption spectra of molecules from the UV (214 nm) to the short-wave infrared wavelength range (2386 nm) and derives the atmospheric composition - trace gases, aerosols, clouds - from these measurements. Having meanwhile successfully monitored and explored the Earth's atmosphere for more than 8 years, new and exciting insights into the Earth-atmosphere system are obtained. The provided global data sets do not only cover greenhouse gases and pollutants in the troposphere or the ozone chemistry in the stratosphere but even reach up to the mesosphere and lower thermosphere. They contribute significantly to atmospheric physics and chemistry as well as climate change research. SCIAMACHY is one of the major current Earth Observation undertakings of Germany, The Netherlands and Belgium, accomplished in cooperation with the European Space Agency (ESA). Many scientific groups at various institutes in Europe and abroad were and are actively involved in the analysis of the data. This book is a comprehensive summary describing the entire SCIAMACHY mission - from the very first ideas to the current results. It illustrates how the measurements are performed, how the trace gas concentrations are derived from the measured spectra and how the unique data sets are used to improve our understanding of the changing Earth's atmosphere. The targeted readership is not only the existing and potentially new SCIAMACHY data users from undergraduate student level up to researchers new in the fields of atmospheric chemistry and remote sensing, but anyone who is keen to learn about SCIAMACHY's efforts to study the atmosphere and its responses to both, natural phenomena and anthropogenic effects.

*Users' Guides to the Medical Literature* Gordon Guyatt 2008-03-01 The #1 guide to the principles and clinical applications of evidence-based medicine has just gotten better! A Doody's Core Title ESSENTIAL PURCHASE for 2011! No other resource helps you to put key evidence-based medicine protocols into daily clinical practice better than Users' Guides to the Medical Literature. An instant classic in its first edition, this detailed, yet highly readable reference demystifies the statistical, analytical, and clinical principles of evidence-based medicine, giving you a hands-on, practical resource that no other text can match. Here, you'll learn how to distinguish solid medical evidence from poor medical evidence, devise the best search strategies for each clinical question, critically appraise the medical literature, and optimally tailor evidence-based medicine for each patient. The new second edition of this landmark resource is now completely revised and refreshed throughout, with expanded coverage of both basic and advanced issues in using evidence-based medicine in clinical practice. FEATURES: Completely revised and updated to reflect the enormous expansion in medical research and evidence-based resources since the first edition Innovative organization guides you from the fundamentals of using the medical literature to the more advanced strategies and skills for use in every day patient care situations Abundant and current real-world examples drawn from the medical literature are woven throughout, and include important related principles and pitfalls in using medical literature in patient care decisions Practical focus on the key issues in evidence-based practice: What are the results? Are the results valid? How to I apply to results to the care of my patients? More than 60 internationally recognized editors and contributors from the U.S., Canada, South America, Europe, and Asia -- the best of the best in the discipline NEW coverage on how to: --Avoid being misled by biased presentations of research findings --Interpret the significance of clinical trials that are discontinued early --Influence clinician behavior to improve patient care --Apply key strategies for teaching evidence-based medicine Also look for JAMAevidence.com, a new interactive database for the best practice of evidence based medicine.

*Software Engineering Application in Informatics* Radek Silhavy 2021-11-16 This book constitutes the first part of refereed proceedings of the 5th Computational Methods in Systems and Software 2021 (CoMeSySo 2021). The CoMeSySo 2021 Conference is breaking the barriers, being held online. CoMeSySo 2021 intends to provide an international forum for the discussion of the latest high-quality research results. The software engineering, computer science, and artificial intelligence are crucial topics for the research within an intelligent systems problem domain.

New Horizons in Health National Research Council 2001-03-09 New Horizons in Health discusses how the National Institutes of Health (NIH) can integrate research in the social, behavioral, and biomedical sciences to better understand the causes of disease as well as interventions that promote health. It outlines a set of research priorities for consideration by the Office of Behavioral and Social Sciences Research (OBSSR),

with particular attention to research that can support and complement the work of the National Institutes of Health. By addressing the range of interactions among social settings, behavioral patterns, and important health concerns, it highlights areas of scientific opportunity where significant investment is most likely to improve national and global health outcomes. These opportunities will apply the knowledge and methods of the behavioral and social sciences to contemporary health needs, and give attention to the chief health concerns of the general public.

**ICTR 2021 4th International Conference on Tourism Research** Prof Cândida Silva 2021-05-20 Conference Proceedings of 4th International Conference on Tourism Research

**Recent Accomplishments in Applied Forest Economics Research** F. Helles 2013-03-14 The papers in this book were 'in a preliminary version' presented at an international conference May 21-25, 2002 in Gilleleje, Denmark. It was a joint event, namely the biennial meeting of the Scandinavian Society of Forest Economics and the 3rd Berkeley-KVL Conference. The Scandinavian Society of Forest Economics (SSFE) was established in 1958 as a forum for forest economists in the Nordic countries to meet and exchange ideas on research and education. Alternating between Denmark, Finland, Norway and Sweden, biennial ordinary meetings have taken place ever since. The number of participants has increased from 10-15 in the first decade to more than 80 in 2002. In the last two decades prominent researchers from outside Scandinavia have been invited to present papers at the biennial meetings and also to participate in ad hoc working groups. The Berkeley-KVL part of the conference is based on a research collaboration between The Royal Veterinary and Agricultural University (KVL), Copenhagen, University of California at Berkeley, and Oregon State University. It was initiated in 1993 within the frame work of a research programme at KVL: 'Stochastic Decision Analysis in Forest Management' and since 1996 extended to the programme 'Economic Optimisation of Multiple-Use Forestry and Other Natural Resources'.

Annual Review of Gerontology and Geriatrics, Volume 22, 2002 Stephen Crystal, PhD 2003-01-07 Leading scholars focus on the economics of aging, with a particular emphasis on the economic future of the baby boom generation. Key themes include the influence of early advantages on later-life economic outcomes (the cumulative advantage/cumulative disadvantage hypothesis); the relationship between inequalities in economic status and inequalities in health status and access to health care; and the consequences of societal choices concerning retirement income systems and policies for financing acute and long-term health care. Contributors include Angela O'Rand, Edward Wolf, Edward Whitehouse, and James Smith.

**Explaining Criminal Behaviour** Wouter Buikhuisen 1988

**Drugs and Appetite** Trevor Silverstone 1982 Abstract: Seven papers review current knowledge on ways in which drugs can influence appetite and feeding, covering the latest findings derived from human research and animal studies. Topics include: a description of the physiological context in which drugs act on feeding; the neuropharmacological actions of drugs on discrete brain mechanisms, regarding feeding; behavioral, pharmacological aspects of feeding, derived from drug and feeding behavior studies in laboratory animals; the measurement of hunger and food intake in humans as influenced by the ingestion of drugs; the relationships of anorectic and orexigenic drugs in consideration of the clinical pharmacology of appetite; and the use of drugs for the treatment of obesity and anorexic states. The material covered should be of interest to clinical nutritionists, dietitians, and researchers in physiology, pharmacology, psychology, and other health-related professions. (wz).

Perioperative Psychiatry Paula C. Zimbrea 2018-12-18 This book provides a comprehensive review of mental health topics for pre- and postsurgical patients. The book discusses general aspects of psychiatric care during the immediate pre- and postsurgical phase, such as pain management, psychopharmacological management or legal aspects of informed consent. The volume dedicates one section to specific subspecialties, including cardiac surgery, neurosurgery, organ transplantation, plastic surgery, bariatric surgery, and many others. Each of these chapters address preoperative psychiatric risk factors, evaluations, impact, and management recommendations for prevention and treatment of the most common psychiatric complications. The final section reviews the current dilemmas and questions for future research in this field, including delirium and capacity evaluation. The text concludes with commentary written by experts in the fields of consultation-liaison psychiatry and surgery on future directions and considerations.

Perioperative Psychiatry is a valuable resource for psychiatrists, psychologists, surgeons, trainees, nurses, social workers, and all medical professionals concerned with the behavioral health of surgical patients.

**Recent Advances in Physiotherapy** Cecily Partridge 2007-04-04 Like Partridge: Neurological Physiotherapy: Bases of Evidence for Practice, each chapter in Recent Advances in Physiotherapy features a case report provided by a team of clinicians based on details from a real patient. This book of recent advances provides readers with a way of keeping up-to-date with recent work in the discipline of physiotherapy, based on the evidence for current practice.

*Critical Perspectives on Addiction* Julie Netherland 2012-10-26 Featuring the work of several up-and-coming scholars working to deepen theoretical perspectives on addiction and its relationship to social control and deviance, this volume fills a gap in addiction studies by offering critical perspectives that interrogate and challenge traditional and/or mainstream understandings of addiction.

**Hedonism, Utilitarianism, and Consumer Behavior** Daniele Scarpi 2020-05-28 This book investigates the effects of utilitarian and hedonic shopping behavior, drawing on original empirical research. Consumers have been shown to shop in one of two ways: they are either mainly driven by fun, escapism, and variety, or by need and efficiency. While previous literature has focused on the drivers of hedonic or utilitarian shopping, this book explores the consequences of these styles of shopping and addresses their impact on perceived value, money spent, and willingness to return to the store in future. The author synthesizes theories from previous studies, applying them to two key retailing contexts - intensive distribution and selective distribution. Ultimately, this book highlights the need for retailers to adopt a more consumer-based perspective to improve shopping experiences. It will prove useful for academics who want to gain a better understanding of hedonic and utilitarian behavior, and also offers practitioners with useful insights on how to target different customer segments.

*Artificial Intelligence Methods in Intelligent Algorithms* Radek Silhavy 2019-05-04 This book discusses the current trends in and applications of artificial intelligence research in intelligent systems. Including the proceedings of the Artificial Intelligence Methods in Intelligent Algorithms Section of the 8th Computer Science On-line Conference 2019 (CSOC 2019), held in April 2019, it features papers on neural networks algorithms, optimization algorithms and real-world issues related to the application of artificial methods.

**Microeconometrics** A. Colin Cameron 2005-05-09 This book provides the most comprehensive treatment to date of microeconometrics, the analysis of individual-level data on the economic behavior of individuals or firms using regression methods for cross section and panel data. The book is oriented to the practitioner. A basic understanding of the linear regression model with matrix algebra is assumed. The text can be used for a microeconometrics course, typically a second-year economics PhD course; for data-oriented applied microeconometrics field courses; and as a reference work for graduate students and applied researchers who wish to fill in gaps in their toolkit. Distinguishing features of the book include emphasis on nonlinear models and robust inference, simulation-based estimation, and problems of complex survey data. The book makes frequent use of numerical examples based on generated data to illustrate the key models and methods. More substantially, it systematically integrates into the text empirical illustrations based on seven large and exceptionally rich data sets.

*Econometric Analysis of Cross Section and Panel Data, second edition* Jeffrey M. Wooldridge 2010-10-01 The second edition of a comprehensive state-of-the-art graduate level text on microeconomic methods, substantially revised and updated. The second edition of this acclaimed graduate text provides a unified treatment of two methods used in contemporary econometric research, cross section and data panel methods. By focusing on assumptions that can be given behavioral content, the book maintains an appropriate level of rigor while emphasizing intuitive thinking. The analysis covers both linear and nonlinear models, including models with dynamics and/or individual heterogeneity. In addition to general estimation frameworks (particular methods of moments and maximum likelihood), specific linear and nonlinear methods are covered in detail, including probit and logit models and their multivariate, Tobit models, models for count data, censored and missing data schemes, causal (or treatment) effects, and



duration analysis. *Econometric Analysis of Cross Section and Panel Data* was the first graduate econometrics text to focus on microeconomic data structures, allowing assumptions to be separated into population and sampling assumptions. This second edition has been substantially updated and revised. Improvements include a broader class of models for missing data problems; more detailed treatment of cluster problems, an important topic for empirical researchers; expanded discussion of "generalized instrumental variables" (GIV) estimation; new coverage (based on the author's own recent research) of inverse probability weighting; a more complete framework for estimating treatment effects with panel data, and a firmly established link between econometric approaches to nonlinear panel data and the "generalized estimating equation" literature popular in statistics and other fields. New attention is given to explaining when particular econometric methods can be applied; the goal is not only to tell readers what does work, but why certain "obvious" procedures do not. The numerous included exercises, both theoretical and computer-based, allow the reader to extend methods covered in the text and discover new insights.

**Resources in Women's Educational Equity** 1980 Literature cited in AGRICOLA, Dissertations abstracts international, ERIC, ABI/INFORM, MEDLARS, NTIS, Psychological abstracts, and Sociological abstracts. Selection focuses on education, legal aspects, career aspects, sex differences, lifestyle, and health. Common format (bibliographical information, descriptors, and abstracts) and ERIC subject terms used throughout. Contains order information. Subject, author indexes.

**Artificial Intelligence in Intelligent Systems** Radek Silhavy 2021-07-15 This book constitutes the refereed proceedings of the artificial intelligence in intelligent systems section of the 10th Computer Science Online Conference 2021 (CSOC 2021), held online in April 2021. Artificial intelligence in intelligent systems topics are presented in this book. Modern hybrid and bio-inspired algorithms and their application are discussed in selected papers.

**The Oxford Handbook of Prosocial Behavior** David A. Schroeder 2015 "The Oxford Handbook of Prosocial Behavior provides a comprehensive review of the current literature contributing to our understanding of when and why people act to benefit others. The field of prosocial behavior encompasses a broad spectrum of activities, ranging from dyadic helping in emergencies, planned helping, volunteerism, and cooperation within and between groups. Taking a multi-level approach, the chapters explore the basic underlying evolutionary, developmental, emotional, cognitive, personality, and social psychological processes that set the stage for and motivate prosocial actions. Consideration is also given to applications to such real-world situations as the encouragement of pro-environmental behavior, the recruitment of participants for medical clinical trials, and the reduction of ethnic conflict and promotion of world peace"--Publisher.

**Artificial Intelligence and Algorithms in Intelligent Systems** Radek Silhavy 2018-05-26 This book presents the latest trends and approaches in artificial intelligence research and its application to intelligent systems. It discusses hybridization of algorithms, new trends in neural networks, optimisation algorithms and real-life issues related to the application of artificial methods. The book constitutes the second volume of the refereed proceedings of the Artificial Intelligence and Algorithms in Intelligent Systems of the 7th Computer Science On-line Conference 2018 (CSOC 2018), held online in April 2018.

**New Zealand Journal of Psychology** 2005

**Proceedings of the Ninth Power Systems Computation Conference** Cascais Portugal 2016-06-06

Proceedings of the Ninth Power Systems Computation Conference

**Your Complete Guide to Nutrition for Weight Loss Surgery** Sally Johnston 2020-03-18 Your Complete Guide to Nutrition for Weight Loss Surgery is exactly that. The essential guide for those considering, or who have had gastric band, sleeve or bypass surgeries. Your Complete Guide combines appetising, healthy and simple recipes, the knowledge of an experienced dietitian, input from a wide range of colleagues in the industry, and many, many lessons learned from weight loss surgery patients over the last 15 years. This book has two components, the 'theory' aspects of weight loss surgery and the recipes. To help you gain a better understanding of weight loss surgery the Complete Guide is broken into the following sections:

Gastric Band, Sleeve Gastrectomy and Roux-en-Y gastric bypass surgeries, as it is important to have a basic understanding of the surgery you have had, or are having, how it works and how it needs to be managed. Each surgery has its own unique aspects that you need to understand for long-term success. Preparing for Surgery and Recovering from Surgery to ensure the safest possible preparation and outcome, with recipes to help you practically at this time. Food Fundamentals Following Weight Loss Surgery explores the eating techniques, habits and food choices to ensure a varied and nutritious diet that promotes weight loss and maintaining that weight loss. This section is completed with a range of healthy, yet tasty recipes, which can be used long term to promote good health. Troubleshooting and Common Complaints deals with some of the potential hiccups you may encounter along your journey. Nutritional Impacts of Weight Loss Surgery and Supplementation describes the common nutrient deficiencies that can occur following weight loss surgery and the nutrition supplements recommended for each surgery type. Whilst it is good to have a basic understanding of the theory behind nutrition and weight loss surgery, you will get most enjoyment from over 100 tasty recipes throughout the book. Volunteers who have had various forms of weight loss surgery were also involved in 'road testing' the recipes. Their feedback is also incorporated and their comments included. The recipes are not only for those who have had weight loss surgery, but are generally acceptable for family and friends. Suggestions to modify serve sizes for those who have not had surgery are included.

**Advances in Questionnaire Design, Development, Evaluation and Testing** Paul C. Beatty 2019-10-24 A new and updated definitive resource for survey questionnaire testing and evaluation Building on the success of the first Questionnaire Design, Development, Evaluation, and Testing (QDET) conference in 2002, this book brings together leading papers from the Second International Conference on Questionnaire Design, Development, Evaluation, and Testing (QDET2) held in 2016. The volume assesses the current state of the art and science of QDET; examines the importance of methodological attention to the questionnaire in the present world of information collection; and ponders how the QDET field can anticipate new trends and directions as information needs and data collection methods continue to evolve. Featuring contributions from international experts in survey methodology, *Advances in Questionnaire Design, Development, Evaluation and Testing* includes latest insights on question characteristics, usability testing, web probing, and other pretesting approaches, as well as: Recent developments in the design and evaluation of digital and self-administered surveys Strategies for comparing and combining questionnaire evaluation methods Approaches for cross-cultural and cross-national questionnaire development New data sources and methodological innovations during the last 15 years Case studies and practical applications *Advances in Questionnaire Design, Development, Evaluation and Testing* serves as a forum to prepare researchers to meet the next generation of challenges, making it an excellent resource for researchers and practitioners in government, academia, and the private sector.

**Distributed Computing and Networking** Shrisha Rao 2008-02-06 This book constitutes the fully refereed proceedings of the 9th International Conference on Distributed Computing and Networking, ICDCN 2008 - formerly known as IWDC (International Workshop on Distributed Computing), held in Kolkata, India, in January 2008. The 30 revised full papers and 27 revised short papers presented together with 3 keynote talks and 1 invited lecture were carefully reviewed and selected from 185 submissions. The papers are organized in topical sections.

**Eating Disorders in Sport** Ron A. Thompson 2011-01-19 Over the past fifteen years, there has been a great increase in the knowledge of eating disorders in sport and effective means of treatment. In this book, the authors draw on their extensive clinical experience to discuss how to identify, manage, treat, and prevent eating disorders in sport participants. They begin by examining the clinical conditions related to eating problems, including descriptions of specific disorders and a review of the relevant literature. Special

attention is given to the specific gender and sport-related factors that can negatively influence the eating habits of athletes. The second half of the book discusses identification of participants with disordered eating by reviewing symptoms and how they manifest in sport; management issues for sport personnel, coaches, athletic trainers, and healthcare professionals; treatment; and medical considerations, such as the use of psychotropic medications. A list of useful resources is included in an appendix, as well as a glossary of important terms.

**Health At Every Size** Linda Bacon 2010-02-02 Fat isn't the problem. Dieting is the problem. A society that rejects anyone whose body shape or size doesn't match an impossible ideal is the problem. A medical establishment that equates "thin" with "healthy" is the problem. The solution? Health at Every Size. Tune in to your body's expert guidance. Find the joy in movement. Eat what you want, when you want, choosing pleasurable foods that help you to feel good. You too can feel great in your body right now—and Health at Every Size will show you how. Health at Every Size has been scientifically proven to boost health and self-esteem. The program was evaluated in a government-funded academic study, its data published in well-respected scientific journals. Updated with the latest scientific research and even more powerful messages, Health at Every Size is not a diet book, and after reading it, you will be convinced the best way to win the war against fat is to give up the fight.

**The Massachusetts General Hospital Handbook of Behavioral Medicine** Ana-Maria Vranceanu 2016-11-17 This text outlines the importance of biopsychosocial factors in improving medical care, and illustrates evidence-based, state-of-the-art interventions for patients with a variety of medical conditions. Each chapter is focused on a particular health concern or illness, which is described both in terms of prevalence and frequent psychological and psychiatric comorbidities that may present to clinicians working with these populations. Consistent with evidence-based care, information on the efficacy of the treatments being described is presented to support their continued use. To accommodate the needs of clinicians, we describe population specific approaches to treatment, including goal settings, modules and skills as well as strategies to assess and monitor progress. To facilitate learning, each chapter contains one or more case examples that explicate the skills described to convey change within a behavioral medicine protocol. Each chapter also includes resources in the form of books and websites to gain additional knowledge and detail as needed. Authors are experts in the field of each chapter, ensuring that information presented is recent and of high quality.

**Joint Modelling of Attitudes and Behaviour in Project Evaluation** Thomas F. Golob 1998

**Energy Research Abstracts** 1993 Semiannual, with semiannual and annual indexes. References to all scientific and technical literature coming from DOE, its laboratories, energy centers, and contractors. Includes all works deriving from DOE, other related government-sponsored information, and foreign nonnuclear information. Arranged under 39 categories, e.g., Biomedical sciences, basic studies; Biomedical sciences, applied studies; Health and safety; and Fusion energy. Entry gives bibliographical information and abstract. Corporate, author, subject, report number indexes.

**Energy-Efficient VLSI Architectures for Real-Time and 3D Video Processing** Michael Stefano Fritz Schaffner 2018-10-24 Multiview autostereoscopic displays (MADs) make it possible to view video content in 3D without wearing special glasses, and such displays have recently become available. The main problem of MADs is that they require several (typically 8 or 9) views, while most of the 3D video content is in stereoscopic 3D today. To bridge this content-display gap, the research community started to devise automatic multiview synthesis (MVS) methods. Common MVS methods are based on depth-image-based rendering, where a dense depth map of the scene is used to reproject the image to new viewpoints. Although physically correct, this approach requires accurate depth maps and additional inpainting steps. Our work uses an alternative conversion concept based on image domain warping (IDW) which has been successfully applied to related problems such as aspect ratio retargeting for streaming video, and disparity remapping for depth adjustments in stereoscopic 3D content. IDW shows promising performance in this context as it only requires robust, sparse point-correspondences and no inpainting steps. However, MVS, using IDW as well as alternative approaches, is computationally demanding and requires realtime processing - yet such methods should be portable to end-user and even mobile devices to develop their full potential. To this end, this thesis investigates efficient algorithms and hardware architectures for a variety of subproblems arising in the MVS pipeline.

**Artificial Intelligence and Bioinspired Computational Methods** Radek Silhavy 2020-08-08 This book gathers the refereed proceedings of the Artificial Intelligence and Bioinspired Computational Methods Section of the 9th Computer Science On-line Conference 2020 (CSOC 2020), held on-line in April 2020. Artificial intelligence and bioinspired computational methods now represent crucial areas of computer science research. The topics presented here reflect the current discussion on cutting-edge hybrid and bioinspired algorithms and their applications.

**Software Engineering Perspectives in Intelligent Systems** Radek Silhavy 2020-12-14 This book constitutes the refereed proceedings of the 4th Computational Methods in Systems and Software 2020 (CoMeSySo 2020) proceedings. Software engineering, computer science and artificial intelligence are crucial topics for the research within an intelligent systems problem domain. The CoMeSySo 2020 conference is breaking the barriers, being held online. CoMeSySo 2020 intends to provide an international forum for the discussion of the latest high-quality research results.

**Traveler Behavior and Values, 2005** National Research Council (U.S.). Transportation Research Board 2005 "No. 1926 includes the Fred Burggraf Award-winning paper that describes the design of survey questions about advance travel planning for activities and examines the results in detail. This issue also examines use of Global Positioning System data for analyzing route choices on the morning commute and the applicability at the national level of regional data on traveler preferences for park-and-ride facilities in the Netherlands."--pub. website.

**Quality in Obesity Treatment** John M. Morton 2019-10-15 This book reviews quality definition, measurement, improvement, value, and accountability for obesity management. The interplay between quality, cost, access and satisfaction is fully depicted with a goal toward not only fulfilling current standards but also anticipating future needs. A thorough inventory of current best practices in all aspects of obesity care is cataloged with a gap analysis also employed for potential areas of improvement to be road mapped. All chapters are written by experts in their fields and include the most up-to-date scientific and clinical information, take home messages, and questions towards following the requirements of quality certification in obesity management. Quality in Obesity Treatment provides a comprehensive, contemporary review of this field and serves as a valuable resource for Bariatric Surgeons, Primary Care Physicians, Policy Makers, Insurance Administrators, Bariatricians, and any medical specialty interested in obesity quality management with likely candidates coming from GI, endocrinology, cardiology, sleep medicine and orthopedics.

**Fish Cognition and Behavior** Culum Brown 2008-04-15 The study of animal cognition has been largely confined to birds and mammals; a historical bias which has led to the belief that learning plays little or no part in the development of behaviour in fishes and reptiles. Research in recent decades has begun to redress this misconception and it is now recognised that fishes exhibit a rich array of sophisticated behaviour with impressive learning capabilities entirely comparable with those of mammals and other terrestrial animals. In this fascinating book an international team of experts have been brought together to explore all major areas of fish learning, including: foraging skills Predator recognition Social organisation and learning Welfare and pain Fish Cognition and Behavior is an important contribution to all fish biologists and ethologists and contains much information of commercial importance for fisheries managers and aquaculture personnel. Libraries in universities and research establishments will find it an important addition to their shelves.