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## **KEY=PEARSON - STEWART GONZALES**

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**Conflict Decision Method based on Quadratic Combination** [Infinite Study](#) There are many unsatisfactory situations in the existing improvement methods of evidence theory, such as a large amount of calculation, the normalization process is unreasonable, the evidence combination effect is not ideal in the conflict evidence decision-making process, and so on. This paper proposes a method based on quadratic combination of conflict evidence to improve the above situations. Firstly, a new flow chart of conflict evidence decision method based on quadratic combination is proposed. Secondly, a new multiplicative normalization rule is proposed, and the new rule is analyzed to verify its rationality. Thirdly, the shortcomings of the existing conflict measurement methods are analyzed, a new conflict measurement function is proposed, and the rationality of the new function is analyzed. Finally, through the analysis of the example and comparison with the existing evidence combination rules, the effectiveness of the method of this paper is verified. **An Evidence Fusion Method with Importance Discounting Factors based on Neutrosophic Probability Analysis in DSMT Framework** [Infinite Study](#) To obtain effective fusion results of multi source evidences with different importance, an evidence fusion method with importance discounting factors based on neutrosophic probability analysis in DSMT framework is proposed. **Lung Cancer: A Practical Approach to Evidence-Based Clinical Evaluation and Management** [Elsevier Health Sciences](#) Get a quick, expert overview of the many key facets of lung cancer evaluation and management with this concise, practical resource by Drs. Lynn T. Tanoue and Frank Detterbeck. This easy-to-read reference presents a summary of today's best evidence-based approaches to diagnosis and management in this critical area. Covers diagnosis and evaluation, treatment considerations, and comprehensive care options for patients with lung cancer. Provides insight on evidence for today's best practices, as well as future directions in the field. Consolidates today's evidence-based information on the clinical aspects of lung cancer into one convenient resource. **An Evidence-based Approach to Vitamins and Minerals Health Implications and Intake Recommendations** [Thieme](#) Organized by nutrient, this evidence-based reference synthesizes all of the most current research on vitamins and minerals in an easy-to-use format. Each chapter addresses the function the nutrient plays in the human body; current definitions of deficiency, including Recommended Dietary Allowance (RDA) or Adequate Intake (AI) recommendations; the use of the nutrient for prevention or treatment of a disease, if known; dietary and other sources of the nutrient, including food and supplement sources (breaking down the different supplement forms); safety precautions for overdosing and drug interactions; and the Linus Pauling Institute's current recommendation for health maintenance. Each chapter has been reviewed by an expert in the area, all of whom are noted in the Editorial Advisory Board. This work is endorsed by the Linus Pauling Institute of Oregon State University. Four appendices add to the clinical usefulness of this work: a quick reference to disease prevention and treatment recommendations made throughout the text, nutrient - nutrient interactions, drug - nutrient interactions, and a glossary. **A new fault diagnosis method based on attributes weighted neutrosophic set** [Infinite Study](#) Fault diagnosis is an extensively applied issue to monitor condition and diagnose fault for safe and stable operation of the machine, which started to develop during the industrial revolution and applies various theories and technologies. Due to the growing complexity of contributing factors of a fault and the correlation of fault attributes which are often interrelated, traditional fault diagnosis methods fails to handle with this complex condition. To solve this problem, a new fault diagnosis method based on attributes weighted neutrosophic set is proposed in this paper. In the proposed approach, a attributes weighted model is developed to obtain the weights of attributes by the fault information. For a sample whose fault type is unknown, the neutrosophic set generated from the fault sample data are aggregated via the single valued neutrosophic power weighted averaging (SVNPWA) operator with the obtained attributes weights, then, the fault diagnosis results could be determined by the defuzzification method of fused neutrosophic set. This proposed method have capacity to differentiate the individual impact of

attributes and handle the uncertain problems in the process of fault diagnosis. Finally, an illustrative example was provided to demonstrate the reasonableness and effectiveness of the proposed method.

**Evidence-based Approaches to Sexuality Education A Global Perspective** [Routledge](#) This is the first book to provide a multidisciplinary and global overview of evidence-based sexuality education (SE) programs and practices. Readers are introduced to the fundamentals of creating effective programs to prepare them to design new or implement existing programs that promote healthy sexual attitudes and relationships. Noted contributors from various disciplines critically evaluate evidence-based programs from around the globe and through the lifespan. Examples and discussion questions encourage application of the material. Guidance for those who wish to design, implement, and evaluate SE programs in various social contexts is provided. Each chapter follows a consistent structure so readers can easily compare programs: Learning Goals; Introduction; Conclusion; Key Points; Discussion Questions; and Additional Resources. The editor taught human sexuality and family life education courses for years. This book reviews the key information that his students needed to become competent professionals. Highlights of the book's coverage include: Interdisciplinary, comprehensive summary of evidence-based SE programs in one volume. Prepares readers for professional practice as a Certified Family Life Educator (CFLE) or sex educator by highlighting the fundamentals of developing and implementing SE programs. Exposes readers to evidence-based SE programs from various social contexts including families, schools, communities, and religious institutions. Considers the developmental context of SE across the lifespan along with programs for LGBT individuals and persons with disabilities. Critically reviews SE programs from around the world including the US, Europe, Asia, Africa, Latin America, and other developing countries. The book opens with an historical overview. Part I focus on general frameworks of sexuality education including UNESCO's International Technical Guidelines. How to develop, deliver, and implement evidence based SE programs, including ethical concerns, are explored in Part II. Part III exposes readers to evidence-based programs in various social contexts--families, schools, communities, and religious institutions. Part IV considers the developmental context of SE from early childhood through adolescence and adulthood along with programs for LGBT individuals and persons with disabilities. Part V examines diverse global contexts from the US, Latin America, Europe, Asia, Africa, and other developing countries. The book concludes with future trends and directions. Ideal for graduate or advanced undergraduate courses in sex education, sexual health, human sexuality, sex or marriage counseling, intimate relationships, family life education, or home, school, and community services taught in human development and family studies, psychology, social work, health education, nursing, education, and religion, and in seminaries and family clinics, the book also serves as a resource for practitioners, counselors, researchers, clergy members, and policy makers interested in evidence based SE programs, or those seeking to become CFLEs or sexuality educators.

**International Workshop on Evidence-Based Technology Enhanced Learning** [Springer Science & Business Media](#) **Research on Technology Enhanced Learning (TEL)** investigates how information and communication technologies can be designed in order to support pedagogical activities. The workshop proceedings collect contributions concerning evidence based TEL systems, like their design following EBD principles as well as studies or best practices that educators, education stakeholders or psychologists used to diagnose or improve their students' learning skills, including students with specific difficulties. The international ebTEL'12 workshop wants to be a forum in which TEL researchers and practitioners alike can discuss ideas, projects, and lessons related to ebTEL. The workshop takes place in Salamanca, Spain, on March 28th-30th 2012.

**The Evidence and Impact of Financial Globalization** [Academic Press](#) The sharp realities of financial globalization become clear during crises, when winners and losers emerge. Crises usher in short- and long-term changes to the status quo, and everyone agrees that learning from crises is a top priority. The Evidence and Impact of Financial Globalization devotes separate articles to specific crises, the conditions that cause them, and the longstanding arrangements devised to address them. While other books and journal articles treat these subjects in isolation, this volume presents a wide-ranging, consistent, yet varied specificity. Substantial, authoritative, and useful, these articles provide material unavailable elsewhere. Substantial articles by top scholars sets this volume apart from other information sources. Rapidly developing subjects will interest readers well into the future. Reader demand and lack of competitors underline the high value of these reference works.

**Issues in Global Environment: Climate and Climate Change: 2011 Edition** [ScholarlyEditions](#) **Issues in Global Environment: Climate and Climate Change: 2011 Edition** is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Global Environment—Climate and Climate Change. The editors have built **Issues in Global Environment: Climate and Climate Change: 2011 Edition** on the vast information databases of ScholarlyNews.™ You can expect the information about Global Environment—Climate and Climate Change in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of **Issues in Global Environment: Climate and Climate Change: 2011 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/>.

A novel decision probability transformation method based on belief interval [Infinite Study](#) In Dempster-Shafer evidence theory, the basic probability assignment (BPA) can effectively represent and process uncertain information. How to transform the BPA of uncertain information into a decision probability remains a problem to be solved. In the light of this issue, we develop a novel decision probability transformation method to realize the transition from the belief decision to the probability decision in the framework of Dempster-Shafer evidence theory. The newly proposed method considers the transformation of BPA with multi-subset focal elements from the perspective of the belief interval, and applies the continuous interval argument ordered weighted average operator to quantify the data information contained in the belief interval

for each singleton. Afterward, we present an approach to calculate the support degree of the singleton based on quantitative data information. According to the support degree of the singleton, the BPA of multi-subset focal elements is allocated reasonably. Furthermore, we introduce the concepts of probabilistic information content in this paper, which is utilized to evaluate the performance of the decision probability transformation method. Eventually, a few numerical examples and a practical application are given to demonstrate the rationality and accuracy of our proposed method. **A Clustering-Based Evidence Reasoning Method** [Infinite Study](#) Aiming at the counterintuitive phenomena of the Dempster-Shafer method in combining the highly conflictive evidences, a combination method of evidences based on the clustering analysis is proposed in this paper. At first, the cause of conflicts is disclosed from the point of view of the internal and external contradiction. **Software Quality. Model-Based Approaches for Advanced Software and Systems Engineering 6th International Conference, SWQD 2014, Vienna, Austria, January 14-16, 2014, Proceedings** [Springer](#) This book constitutes the refereed proceedings of the 6th Software Quality Days Conference (SWQD) held in Vienna, Austria, in January 2014. This professional symposium and conference offers a range of comprehensive and valuable opportunities for advanced professional training, new ideas and networking with a series of keynote speeches, professional lectures, exhibits and tutorials. The four scientific full papers accepted for SWQD were each peer reviewed by three or more reviewers and selected out of 24 high-quality submissions. Further, one keynote and ten short papers on promising research directions were also presented and included in order to spark discussions between researchers and practitioners. The papers are organized into topical sections on software process improvement and measurement, requirements management, value-based software engineering, software and systems testing, automation-supported testing and quality assurance and collaboration. **E-Learning Technologies and Evidence-Based Assessment Approaches** [IGI Global](#) "This book aims to provide readers with a variety of contemporary solutions to identified educational problems of practice related to the assessment of student learning in e-learning environments"--Provided by publisher. **Evidence-Based Practice: An Integrative Approach to Research, Administration, and Practice** [Jones & Bartlett Learning](#) **Evidence-Based Practice: An Integrative Approach to Research, Administration, and Practice, Third Edition** focuses on how research-based evidence drives scholarly practice. **Evidence-Based Approaches in Positive Education Implementing a Strategic Framework for Well-being in Schools** [Springer](#) Based on action research and implementation at one of the world's great schools, this book provides a much-needed exploration of how to implement positive education at a whole school level. **Evidence-Based Approaches in Positive Education** summarises the integration of a whole-school mental health and well-being strategy, positive psychology programs and pastoral care models from 3 - 18 years of age. Positive education is the teaching of scientifically validated programs from positive psychology and character education that have an impact on student and staff well-being. It is an approach that focuses on teaching, building and embedding social and emotional learning throughout a student's experience. St Peter's College - Adelaide is the only institution in the world to integrate Martin Seligman's well-being theory throughout all aspects of both its strategic intent and positive education programs. The School's vision is to be a world-class school where all boys flourish. Its mission is to provide an exceptional education that brings out the very best in every boy. This is done within an intellectually and spiritually rich environment that nurtures international-mindedness, intercultural understanding, respect and a commitment to social justice. This book captures the developments of the St Peter's College journey. It focuses on the integration of well-being across seven strategic goals: Academics; Well-being; Student Life; Entrepreneurship; Innovation and Partnerships; People, Culture and Change; Sustainability and Environment; Community Engagement, Advancement, and Philanthropy. A uniquely Australian school, the impact of a St Peter's College education is to build great men: who believe safety, service and integrity and fundamental parts of their lives; who are active members of communities that are socially and culturally diverse; who engage in political, ethical, and environmental challenges as good citizens. Since 1847, St Peter's College alumni have had global and life-changing impact in all fields of human endeavour. The School's alumni include three Nobel Laureates, 42 Rhodes Scholars, Olympians and Archbishops, artists and scientists, educators and journalists, actors and politicians, philanthropists and physicians, CEOs, diplomats and soldiers, explorers, painters and poets. This book shares evidence-based practices and makes a substantial contribution to the rapidly developing field of positive psychology and its application in schools. **Fault Diagnosis Method Based on Improved Evidence Reasoning** [Infinite Study](#) Evidence reasoning (ER) combined with dimensionless index method can be used in rotating machinery fault diagnosis. In ER algorithm, reliability is mainly obtained in two ways: distance-based method and correlation measure by set theory. In practice, the distance-based method cannot generate high-discrimination reliability in high-coincidence data like dimensionless index data. Therefore, correlation measure by set theory method is used in fault diagnosis more frequently. Because correlation measure by set theory only considers upper bound and lower bound of fault data, we add a regularization term to calculate the relationship between the inner data. Experience result shows that fault diagnosis accuracy had improved, which illustrates that the new reliability can describe data relationship better. **Research Methods: Concepts, Methodologies, Tools, and Applications** [IGI Global](#) Across a variety of disciplines, data and statistics form the backbone of knowledge. To ensure the reliability and validity of data, appropriate measures must be taken in conducting studies and reporting findings. **Research Methods: Concepts, Methodologies, Tools, and Applications** compiles chapters on key considerations in the management, development, and distribution of data. With its focus on both fundamental concepts and advanced topics, this multi-volume reference work will be a valuable addition to researchers, scholars, and students of science, mathematics, and engineering. **Proof and the Burden of Proof in International Investment Law** [Springer Nature](#) **Evidence-Based Validation of Herbal Medicine Translational Research on Botanicals** [Elsevier](#) Globalization in the context of drug development has increased the use of natural products worldwide. The trends in use of herbal medicine in therapeutics is

becoming more popular and is still open to fascinating realms of research. 'Evidence-Based Validation of Herbal Medicines' brings together current thinking and practice in the areas of characterization and validation of natural products. This book describes different approaches and techniques for evaluating the quality, safety and efficacy of herbal medicine, particularly methods to assess their activity and understand the compounds responsible and their probable underlying mechanisms of action, which improve the level of understanding of various aspects on evaluation of natural products. This book is an effort to bring together the views, expertise and experiences of scientific experts in the field of medicinal plant research. This will be useful for the researcher to know more about the natural lead with their validation and also useful to exploit traditional medicines, leading to discovery and development of newer drugs through translational research with cutting edge technologies on natural remedies. This book will be an essential reading for the researchers whose professional life impinges on the use of natural resources. Includes state-of-the-art methods for detecting, isolating, and performing structure elucidation by degradation and spectroscopic techniques Highlights the trends in validation and value addition of herbal medicine with different scientific approaches used in therapeutics Contains several all-new chapters on topics such as traditional-medicine-inspired drug development to treat emerging viral diseases, medicinal plants in antimicrobial resistance, TLC bio profiling, botanicals as medicinal foods, bioprospecting and bioassay-guided isolation of medicinal plants, immunomodulators from medicinal plants, and more Woman-centered Care in Pregnancy and Childbirth [Radcliffe Publishing](#) This unique woman-centered text provides a vital resource for primary care maternity clinicians and trainees. It applies the powerful, proven model of patient-centered care to pregnancy and birth - an expansion beyond previous applications to various chronic illnesses. Information and Automation International Symposium, ISIA 2010, Guangzhou, China, November 10-11, 2010. Revised Selected Papers [Springer Science & Business Media](#) This book constitutes the refereed proceedings of the International Symposium on Information and Automation, ISIA 2010, held in Guangzhou, China, in November 2010. The 110 revised full papers presented were carefully reviewed and selected from numerous submissions. The symposium provides a forum for researchers, educators, engineers, and government officials to present and discuss their latest research results and exchange views on the future research directions in the general areas of Information and Automation. Approach Based on Phenotype and Endotype Asthma Diagnosis and Management [BoD - Books on Demand](#) Asthma is a severe and growing threat affecting both children and adults in both developing and developed world, currently affecting approximately 8% of US population. It is becoming increasingly recognized as a syndrome constituted by airway obstruction, airway hyperresponsiveness, and airway inflammation with different causes, associated risk factors, and underlying pathophysiology. The advances in basic and clinical research of asthma have accelerated over the past 20 years with increasing diagnostic tools, especially biomarkers, that led to specific characterization of individual patient's asthma pathophysiology, or disease "phenotype" and "endotype," which allowed precision medicine therapies, including new asthma biologics. This book aims to update the paradigm shifts in precision medicine of asthma diagnosis and management, driven by underlying phenotypes or endotypes. Judicial Responses to Pre-Trial Procedural Violations in International Criminal Proceedings [Springer](#) This book provides an in-depth examination of the judicial response at the international criminal tribunals (ICTs) to the violation of procedural standards in the pre-trial phase of proceedings. It does so against the backdrop of the assumption that certain particularities of international criminal proceedings may warrant a different approach to the matter than at the national level. By reference to relevant human rights standards and to national criminal procedure, as well as to theoretical accounts of the judicial response to pre-trial procedural violations, this book assesses the ICTs' law and practice in this regard, thereby identifying points of concern and making suggestions for improvement. In doing so, it considers the most suitable rationale for responding to procedural violations committed in the pre-trial phase of international criminal proceedings and the merits of judicial discretion in this context, as well as the impact of certain particularities of such proceedings on the determination of how to address procedural violations. The book is intended for academics and practitioners in the field of (international) criminal law who want to gain a deeper understanding of the possible impact of pre-trial procedural violations on criminal proceedings. Kelly Pitcher is Assistant Professor of Criminal Law and Criminal Procedure at Leiden University in The Netherlands. An Improved Dempster-Shafer Algorithm Using a Partial Conflict Measurement [Infinite Study](#) Multiple evidences based decision making is an important functionality for computers and robots. To combine multiple evidences, mathematical theory of evidence has been developed, and it involves the most vital part called Dempster's rule of combination. The rule is used for combining multiple evidences. Emergency Neuro-Otology - Diagnosis and Management of Acute Dizziness and Vertigo Neurologic Clinics [Elsevier Health Sciences](#) The focus of this publication on Neuro-Otology in Neurologic Clinics is on the patient presenting for urgent or emergent care with a chief complaint of new, previously-undiagnosed dizziness or vertigo. Intent is to emphasize throughout the issue five primary components of initial diagnosis and management: (1) Epidemiology, differential diagnosis, and disease definitions; (2) Bedside clinical features that differentiate dangerous from benign causes; (3) Appropriate use of advanced diagnostic tests (including imaging, vestibular tests) and consultations; (4) Application of early treatments (manipulative, pharmacologic, rehabilitative); and (5) Acute disposition strategies, including determining need for admission and urgency of follow-up. Articles have a consistent architecture to highlight key points: 1) Case Scenario (with a representative case example; videos are presented with many of these); 2) Prevalence & Pathomechanisms; 3) Definitions & Diagnostic Criteria; 4) Bedside & Laboratory Diagnostic Tests; 5) Acute Treatment Options (including manipulative, pharmacologic, rehabilitative); and 6) Triage & Disposition (including referrals and follow-up). The articles are presented with four major parts: Overall approach to acute dizziness and vertigo; Episodic vertigo and dizziness; Acute, continuous vertigo and dizziness; and Case unknowns. Among the topics covered are: Bedside evaluation; Transient ischemic attacks; Vestibular neuritis and labyrinthitis;

Stroke; Novel approach to diagnosing the acutely dizzy patient. David Newman-Toker leads this publication with associate editors renown in their fields - Kevin Kerber, William J. Meurer, Rodney Omron, and Jonathan Edlow. **Mathematics of Uncertainty Modeling in the Analysis of Engineering and Science Problems** [IGI Global](#) "This book provides the reader with basic concepts for soft computing and other methods for various means of uncertainty in handling solutions, analysis, and applications"--Provided by publisher. **The Handbook of World Englishes** [John Wiley & Sons](#) The Handbook of World Englishes is a collection of newly commissioned articles focusing on selected critical dimensions and case studies of the theoretical, ideological, applied and pedagogical issues related to English as it is spoken around the world. Represents the cross-cultural and international contextualization of the English language Articulates the visions of scholars from major varieties of world Englishes - African, Asian, European, and North and South American Discusses topics including the sociolinguistic contexts of varieties of English in the inner, outer, and expanding circles of its users; the ranges of functional domains in which these varieties are used; the place of English in language policies and language planning; and debates about English as a cause of language death, murder and suicide. **Evidence-based Gastroenterology and Hepatology** [John Wiley & Sons](#) The revised fourth edition of Evidence-Based Gastroenterology and Hepatology continues to provide the most current, evidence-based information for determining the appropriate medical and surgical options for screening for, diagnosing, and treating gastrointestinal conditions. With contributions from an international team of leading experts in the field, the 4th edition includes practical recommendations for the care of individual patients based on the latest scientific evidence. **Breast Cancer: Global Quality Care** [Oxford University Press, USA](#) Developing or existing breast cancer centres strive to provide the highest quality care possible within their current financial and personnel resources. Although the basics in diagnosis and treatment of breast cancer are well known, providing, monitoring, and assessing the care offered can be challenging for most sites. Based on the work of the International Congress of Breast Disease Centres, this book provides a comprehensive overview of how to start or improve a breast unit wherever you live. Written by a multidisciplinary team of over 100 experts from 25 countries, it provides a practical guide for how to optimally organise high quality integrated breast cancer care, whilst taking into account the local economics and resources available to different countries. Each component of the care pathway, including imaging, surgery, systemic treatment, nursing, and genetic assessment, is discussed from a theoretical and practical aspect. The authors define targets to strive for, methods to assess care, and key recommendations for how to improve within existing limitations. Finally, the book looks beyond the breast care unit to consider accreditation and certification, emerging technologies, media, and the role of governments. This guide will be valuable for anyone working in the field of integrated breast cancer care, including established breast care experts, those new to the field, and policy makers interested in the social, financial, and political aspects of improving breast care quality. **A Mythological Approach to Exploring the Origins of Chinese Civilization** [Springer Nature](#) Is the lion the symbol of China? Or should it be the dragon or the phoenix? This book makes a provocative interpretation of the Chinese ancient totems such as the bear and the owl. Taking a mythological approach, it explores the origin of Chinese civilization using the quadruple evidence method, which integrates ancient and unearthed literature, oral transmission, and archeological objects and graphs. It testifies to the authenticity of unresolved ancient myths and legends from the origins of Chinese Jade Ware (6200BC-5400 BC) to the names of the Yellow Emperor (2698-2598 BC) and the legends from the Xia (2010BC-1600BC), Shang (1600BC-046BC), Zhou (1046BC-771BC), and Qin (221BC-206BC) Dynasties. The book lays the foundation for a reconstruction of Chinese Mythistory. With well over 200 photographs of historic artifacts, the book appeals to both researchers and general readers. **Measuring Uncertainty within the Theory of Evidence** [Springer](#) This monograph considers the evaluation and expression of measurement uncertainty within the mathematical framework of the Theory of Evidence. With a new perspective on the metrology science, the text paves the way for innovative applications in a wide range of areas. Building on Simona Salicone's Measurement Uncertainty: An Approach via the Mathematical Theory of Evidence, the material covers further developments of the Random Fuzzy Variable (RFV) approach to uncertainty and provides a more robust mathematical and metrological background to the combination of measurement results that leads to a more effective RFV combination method. While the first part of the book introduces measurement uncertainty, the Theory of Evidence, and fuzzy sets, the following parts bring together these concepts and derive an effective methodology for the evaluation and expression of measurement uncertainty. A supplementary downloadable program allows the readers to interact with the proposed approach by generating and combining RFVs through custom measurement functions. With numerous examples of applications, this book provides a comprehensive treatment of the RFV approach to uncertainty that is suitable for any graduate student or researcher with interests in the measurement field. **Information Processing and Management of Uncertainty in Knowledge-Based Systems 13th International Conference, IPMU 2010, Dortmund, Germany, June 28-July 2, 2010. Proceedings** [Springer Science & Business Media](#) The International Conference on Information Processing and Management of - certainty in Knowledge-Based Systems, IPMU, is organized every two years with the aim of bringing together scientists working on methods for the management of uncertainty and aggregation of information in intelligent systems. Since 1986, this conference has been providing a forum for the exchange of ideas between the theoreticians and practitioners working in these areas and related fields. The 13 IPMU conference took place in Dortmund, Germany, June 28-July 2, 2010. This volume contains 79 papers selected through a rigorous reviewing process. The contributions reflect the richness of research on topics within the scope of the conference and represent several important developments, specifically focused on theoretical foundations and methods for information processing and management of uncertainty in knowledge-based systems. We were delighted that Melanie Mitchell (Portland State University, USA), Nihkil R. Pal (Indian Statistical Institute), Bernhard Schölkopf (Max Planck Institute for Biological Cybernetics, Tübingen, Germany) and Wolfgang Wahlster (German Research Center for Artificial Intelligence, Saarbrücken)

accepted our invitations to present keynote lectures. Jim Bezdek received the Kamp'ede F' eriet Award, granted every two years on the occasion of the IPMU conference, in view of his eminent research contributions to the handling of uncertainty in clustering, data analysis and pattern recognition. Evidence-Based Policy A Realist Perspective [SAGE](#) In this important new book, Ray Pawson examines the recent spread of evidence-based policy making across the Western world. Few major public initiatives are mounted these days in the absence of a sustained attempt to evaluate them. Programmes are tried, tried and tried again and researched, researched and researched again. And yet it is often difficult to know which interventions, and which inquiries, will withstand the test of time. The evident solution, going by the name of evidence-based policy, is to take the longer view. Rather than relying on one-off studies, it is wiser to look to the 'weight of evidence'. Accordingly, it is now widely agreed the most useful data to support policy decisions will be culled from systematic reviews of all the existing research in particular policy domains. This is the consensual starting point for Ray Pawson's latest foray into the world of evaluative research. But this is social science after all and harmony prevails only in the first chapter. Thereafter, Pawson presents a devastating critique of the dominant approach to systematic review - namely the 'meta-analytic' approach as sponsored by the Cochrane and Campbell collaborations. In its place is commended an approach that he terms 'realist synthesis'. On this vision, the real purpose of systematic review is better to understand programme theory, so that policies can be properly targeted and developed to counter an ever-changing landscape of social problems. The book will be essential reading for all those who loved (or loathed) the arguments developed in Realistic Evaluation (Sage, 1997). It offers a complete blueprint for research synthesis, supported by detailed illustrations and worked examples from across the policy waterfront. It will be of especial interest to policy-makers, practitioners, researchers and students working in health, education, employment, social care, criminal justice, regeneration and welfare. The Oxford Handbook of Evidence-based Management [Oxford University Press](#) The Oxford Handbook of Evidence-based Management shows how leaders and managers can make effective use of best available evidence in the decisions they make — and what educators and researchers need to do to help them come to the right solution. Evidence [Oxford University Press](#) Choo's Evidence provides a lucid and analytical account of the principles of the law of evidence in England and Wales. Succinct, critical and engaging, it is the ideal text for undergraduate law students. Health Assets in a Global Context Theory, Methods, Action [Springer Science & Business Media](#) As global health inequities continue to widen, policymakers are redoubling their efforts to address them. Yet the effectiveness and quality of these programs vary considerably, sometimes resulting in the reverse of expected outcomes. While local political issues or cultural conflicts may play a part in these situations, an important new book points to a universal factor: the prevailing deficit model of assessing health needs, which puts disadvantaged communities on the defensive while ignoring their potential strengths. The asset model proposed in Health Assets in a Global Context International Health and Development offers a necessary complement to the problem-focused framework by assessing multiple levels of health-promoting aspects in populations, and promoting joint solutions between communities and outside agencies. The book provides not only rationales and methodologies (e.g., measuring resilience and similar elusive qualities) but also concrete examples of asset-based initiatives in use across the world on the individual and community levels. Evidence-based Neurosurgery An Introduction [Thieme](#) Evidence-Based Neurosurgery: An Introduction will teach the practitioner to employ evidence-based approaches to common problems in neurosurgery. The book begins with a review of the concepts and techniques involved in the practice of evidence-based medicine, including the basics of critical analysis using methodologically rigorous evidence-synthesis techniques. The second part of the text provides useful examples of the use of this critical analysis for common clinical situations, such as stent placement, managing infection, metastases, craniocerebral trauma, cervical spine trauma, and more. This book covers all phases of clinical practice, from patient assessment, to diagnosis, to prognosis, and treatment, helping you address such questions as: How do you reliably determine the characteristics of the individual patient's condition? What is the likely course of the disease? How do you determine what interventions are likely to have a positive impact? Does the intervention work under certain specified circumstances? Evidence-Based Neurosurgery is an invitation to apply the rigorous methods of evidence-based medicine to improve your practice of neurosurgery. Evidence-Based Innovation Leadership Creating Entrepreneurship and Innovation in Organizations [Emerald Group Publishing](#) This book offers a holistic model for what it calls "innovation leadership," which includes entrepreneurial action, creative energy fields within organizations, high-tech wealth creation, and innovation as a business process. Advanced Engineering and Technology Proceedings of the 2014 Annual Congress on Advanced Engineering and Technology (CAET 2014), Hong Kong, 19-20 April 2014 [CRC Press](#) Advanced Engineering and Technology contains 110 technical papers from the 2014 Annual Congress on Advanced Engineering and Technology (CAET 2014, Hong Kong, 19-20 April 2014, including the 4th Workshop on Applied Mechanics and Civil Engineering, AMCE 2014). The contributions focus on advanced theories and technologies related to building engineeri The Handbook of Applied Linguistics [John Wiley & Sons](#) The Handbook of Applied Linguistics is a collection of newly commissioned articles that provide a comprehensive and up-to-date picture of the field of Applied Linguistics. Provides a comprehensive and current picture of the field of Applied Linguistics. Contains 32 newly commissioned articles that examine both the applications of linguistics to language data and the use of real world language to ameliorate social problems. Valuable resource for students and researchers in applied linguistics, language teaching, and second language acquisition. Presents applied linguistics as an independent discipline that unifies practical experience and theoretical understanding of language development and language in use.