

Ets5

From theory to techniques, the first all-in-one resource for EIS There is a clear demand in advanced process industries, defense, and Internet and communication (VoIP) applications for intelligent yet adaptive/evolving systems. Evolving Intelligent Systems is the first self-contained volume that covers this newly established concept in its entirety, from a systematic methodology to case studies to industrial applications. Featuring chapters written by leading world experts, it addresses the progress, trends, and major achievements in this emerging research field, with a strong emphasis on the balance between novel theoretical results and solutions and practical real-life applications. Explains the following fundamental approaches for developing evolving intelligent systems (EIS): the Hierarchical Prioritized Structure the Participatory Learning Paradigm the Evolving Takagi-Sugeno fuzzy systems (eTS+) the evolving clustering algorithm that stems from the well-known Gustafson-Kessel offline clustering algorithm Emphasizes the importance and increased interest in online processing of data streams Outlines the general strategy of using the fuzzy dynamic clustering as a foundation for evolvable information granulation Presents a methodology for developing robust and interpretable evolving fuzzy rule-based systems Introduces an integrated approach to incremental (real-time) feature extraction and classification Proposes a study on the stability of evolving neuro-fuzzy recurrent networks Details methodologies for evolving clustering and classification Reveals different applications of EIS to address real problems in areas of: evolving inferential sensors in chemical and petrochemical industry learning and recognition in robotics Features downloadable software resources Evolving Intelligent Systems is the one-

stop reference guide for both theoretical and practical issues for computer scientists, engineers, researchers, applied mathematicians, machine learning and data mining experts, graduate students, and professionals.

This book contributes to a feminist understanding of international human rights by examining restrictions on reproductive freedom through the lens of the right to be free from torture and other cruel, inhuman or degrading treatment. Ronli Sifris challenges the view that torture only takes place within the traditional paradigm of interrogation, punishment or intimidation of a detainee, arguing that this traditional construction of the concept of torture prioritises the experiences of men over the experiences of women given that the pain and suffering from which women disproportionately suffer frequently occurs outside of this context. She does this by conceptualising restrictions on women's reproductive freedom within the framework of the right to be free from torture. The book considers the gendered nature of international law and the gender dimensions of the right to be free from torture. It examines the extension of the prohibition of torture to encompass situations beyond the traditional detainee context in recent years to encompass situations such as rape and female genital mutilation. It goes on to explore in detail whether denying access to abortion and involuntary sterilization constitutes torture or other cruel, inhuman or degrading treatment under international law. The book looks at whether limitations on reproductive freedom meet the determining criteria of torture which are: severe pain or suffering; being intentionally inflicted; being based on discrimination; linked in some way to a State official; whether they constitute lawful sanctions; and the importance of the concept of powerlessness. In doing so the book also highlights how this right may be applicable to other gender-based abuses including female genital mutilation, and how this right

may be universally applied to allow women worldwide the right to reproductive freedom. This book explores to what extent a state owes human rights obligations to individuals outside of its territory, when the conduct of that state impacts upon the lives of those individuals. It draws upon legal and political philosophy to develop a theory of extraterritoriality based on the nature of human rights, merging accounts of economic, social, and cultural rights with those of civil and political rights. Lea Raible outlines four main arguments aimed at changing the way we think about the extraterritoriality of human rights. First, she argues that questions regarding extraterritoriality are really about justifying the allocation of human rights obligations to specific states. Second, the book shows that human rights as found in international human rights treaties are underpinned by the values of integrity and equality. Third, she shows that these same values justify the allocation of human rights obligations towards specific individuals to public institutions - including states - that hold political power over those individuals. And finally, the book demonstrates that title to territory is best captured by the value of stability, as opposed to integrity and equality. On this basis, Raible concludes that all standards in international human rights treaties that count as human rights require that a threshold of jurisdiction, understood as political power over individuals, is met. The book applies this theory of extraterritoriality to explain the obligations of states in a wide range of cases.

This book constitutes the refereed proceedings of the 4th RECOMB Comparative Genomics Satellite Workshop, RECOMB-CG 2006. The 17 revised full papers presented were carefully reviewed and selected from 34 initial submissions. The papers address a broad variety of aspects and components of the field of comparative genomics, ranging from new quantitative discoveries about genome structure and process to theorems on the complexity of

computational problems inspired by genome comparison.

Future buildings require not only energy efficiency but also proper building automation and control system functionalities in order to respond to the needs of occupants and energy grids. These development paths require a focus on occupant needs such as good indoor climate, easy operability, and monitoring. Another area to be tackled is energy flexibility, which is needed to make buildings responsive to the price signals of electricity grids with increasing amounts of fluctuating renewable energy generation installed both in central grids and at building sites. This Special Issue is dedicated to HVAC systems, load shifting, indoor climate, and energy and ventilation performance analyses in buildings. All these topics are important for improving the energy performance of new and renovated buildings within the roadmap of low energy and nearly zero energy buildings. To improve energy performance and, at the same time, occupant comfort and wellbeing, new technical solutions are required. Occupancy patterns and recognition, intelligent building management, demand response and performance of heating, cooling and ventilation systems are some common keywords in the articles of this Special Issue contributing to future highly performing buildings with reliable operation.

Vol. 49, no. 9 (Sept. 1922) accompanied by a separately paged section entitled ERA: electronic reactions of Abrams.

A collection of 13 papers presented to a symposium in Florence, Italy, November 1991, and subsequently published as a special issue of *History and Technology* vol.9, nos.1-4. They explore the arguments and motivations of the interest groups--scientists, engineers, industrialists, bureaucrats, politicians--in deciding whether or not a

government will take on a large technological project, such as space exploration, remote sensing equipment, particle accelerators, and fancy aircraft. Annotation copyright by Book News, Inc., Portland, OR

The worldwide expansion in the development and use of unmanned aircraft systems (UAS) has rapidly spawned a patchwork of regulatory initiatives in the field. It is with the purpose of synthesising and clarifying this diverse body of international, regional and national law – and of indicating trends and areas of concern – that this extraordinary collection of expert essays has been compiled. The authors, working in many different parts of the world, are all in some way affiliated with the International Institute of Air and Space Law at Leiden University as either alumni, faculty members or students. With details of developments affecting countries in every continent, including Antarctica, the authors delve into the ways regulation of UAS is affected by such aviation law elements as the following: – insurance; – criminal and civil liability; – role of international and supranational agencies – International Civil Aviation Organization (ICAO), European Union (EU), European Aviation Safety Agency (EASA), Association of Southeast Nations (ASEAN); – privacy and cyber security; and – civil UAS markets. Following detailed investigations of international and regional developments, the third section of the book covers a cross-section of national laws (Antarctica, Australia, Austria, Belgium, Brazil, Canada, Colombia, China, Cyprus, France, Germany, India, Indonesia, Italy, Japan, Mexico, The Netherlands, Portugal, Republic of Korea, Romania, Russian

Federation, Slovenia, South Africa, Suriname, Switzerland and Liechtenstein, Turkey, United Kingdom, and United States). The authors' approaches throughout are both introductory, allowing those unfamiliar with the field to gain valuable insight into this fascinating and dynamic area, and also critical and focused, so that those more involved in the legal dimension of aviation law can further their knowledge. Without a doubt this work enriches the legal literature and encourages stakeholders in this burgeoning field of aviation law to further examine and challenge developments and trends in regulation and of practice. Lawyers, law firms, academics, governments, relevant governmental and non-governmental agencies, and strategic planners in the UAS industry will all welcome this ground-breaking resource.

Vols. 3-140 include the society's Proceedings, 1907-41

This book investigates how international adjudicators defer to State decision-making authority, and what that reveals about the domestic-international interface.

6.4 Is expert behavior consistent with neoclassical economics? -- 6.5 Do people play a mixed strategy Nash equilibrium? -- Appendix A: The random lottery incentive mechanism -- Appendix B: In lieu of a problem set -- References --

PART 1: Behavioral Economics of Risk, Uncertainty, and Ambiguity --

Introduction to part 1 -- CHAPTER 1: The Evidence on Human Choice under Risk and Uncertainty -- 1.1 Introduction -- 1.2 The elements of classical decision theory -- 1.2.1 Preference foundations of expected utility theory (EU) -- 1.2.2

Attitudes to risk under EU.

Dieses Buch beschreibt die notwendigen Methoden für Planung, Entwicklung und Anwendung photovoltaischer Anlagen im Inselbetrieb, zur Netzeinspeisung oder mit Nachführung. Die vierte Auflage dieses anerkannten Werkes liefert Methoden und Planungshilfen für die Dimensionierung photovoltaischer Komponenten unter realitätsnahen Bedingungen. Der Autor befasst sich ausführlich mit photovoltaischen Inselsystemen, der Qualitätskontrolle vor Ort und der Energie-Ertragsprognose von photovoltaischen Systemen zur Netzeinspeisung.

Einstrahlungsdaten für etwa 500 Städte in 140 Ländern aller Kontinente, darunter auch für alle Bundesstaaten der USA, machen das Buch zu einem wertvollen Begleiter für alle Anlagenplaner und -betreiber der Photovoltaik.

L-EU ETS hija l-pedament tal-politika tal-UE dwar il-klima u spiss ti?i kkwotata b?ala mudell g?all-politika emer?enti dwar it-tibdil fil-klima fid-dinja. Il-Qorti sabet dg?ufijiet sinifikanti fl-implimentazzjoni matul il-Fa?i II (2008-2012) u problemi bir-robustezza tal-qafas g?all-protezzjoni tal-integrità tas-suq. Ir-regolamentazzjoni u s-sorveljanza tas-suq, l-istatus legali ta' kwoti tal-emissjonijiet, u s-sistemi g?all-ipro?essar ta' informazzjoni fundamentali tal-EU ETS kienu je?tie?u li jsirilhom titjib. L-Istati Membri g?andhom isa??u l-implimentazzjoni tag?hom tal-qafas ta' kontroll u tas-sanzjonijiet. Il-Qorti tag?mel g?add ta' rakkomandazzjonijiet immirati

lejn it-titjib tal-integrità u tal-implimentazzjoni tal-iskema.

Building Automation Communication systems with EIB/KNX, LON and BACnet Springer

This book offers all important industrial communication systems for buildings in one single book! It stimulates a basic understanding of network and bus systems for the automation of buildings. After an introduction to EIB/KNX, LON und BACnet technologies, the authors illustrate how these systems can be utilized for specific applications, like air conditioning or illumination. This book assumes only a basic knowledge of mathematics and thanks to its simple explanations and many examples is ideal for students and professional engineers who require practical solutions. Numerous practical examples explain basic concepts of industrial communication technology as well as the procedure for the transmission of digital data. All chapters have been thoroughly revised for the 2nd edition and the book includes the latest technical developments and standards.

Inorganic Carbon Compounds—Advances in Research and Application: 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Inorganic Carbon Compounds. The editors have built Inorganic Carbon Compounds—Advances in Research and Application: 2012 Edition on the vast

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The idea that a claim for international protection can be rejected on the basis that the claimant behave 'discreetly' in their country of origin has remained resilient in asylum claims based on sexual orientation, but also other grounds of claim. This is significant because requiring an asylum-seeker to forgo the reason for which they are persecuted questions the very rationale of refugee protection. This book represents the first principled examination of concealment in refugee law. Janna Wessels connects the different strands of the long-standing debate in both common and civil law jurisdictions and scholarship concerning the question of whether and under which circumstances a claimant must conceal to avoid persecution. In so doing, Wessels uncovers a fundamental tension at the core of the refugee concept. By using sexuality as a lens,

this study breaks new ground regarding sexual orientation claims and wider issues surrounding the refugee definition.

This book contains the papers delivered at the Fourth International Symposium on Intracranial Pressure, held at Williamsburg, Virginia, USA, June 10-14, 1979. Divided into 12 sessions, they reflect the most recent developments in areas such as head injuries, pressure volume studies, cerebrovascular complications, intracranial hemorrhage, brain edema, systemic factors and infectious processes, data recording and analysis, CSF formation and absorption, hydrocephalus, clinical aspects of ICP monitoring, anesthesia and intracranial pressure, treatment with barbiturates and steroids, and osmotherapy. The book concludes with a summary of the present state-of-the-art in the field as a whole by Dr. Langfitt. There were two innovations at this Symposium. The first of these was poster sessions, the second, breakfast seminars. This volume contains all papers read plus all those presented as posters, and for this reason contains more pages than the three previous volumes. The organizers wish to thank the Advisory Committee for the work done in paper selection and focus of the Conference. Appreciation is also given to the Chairmen and Co-chairmen of the sessions for the preparation of summary statements. Manuscript preparation was performed by Ms. Lucille Browne, and gratitude is expressed to her. The next Symposium, the Fifth International Conference on ICP, will be held in Japan in 1982. We also wish to acknowledge the technical help of Springer-Verlag and their celerity in

producing this volume. The Editors VII Contents Session I. Head Injury Chairman: D. P. BECKER; Co-chairman: I. PAPO 3 Summary

This book focuses on the linking of the European Union Emissions Trading System (EU ETS) with other independent regional ETS. While rich practical and academic research has evolved on the economic and technical side of ETS linking, political drivers and barriers have so far been underrepresented in this debate. Filling this lacuna and based on international relations theory, existing research and qualitative fieldwork, this book introduces the range of political conditions that influence linking, such as political leadership and stakeholder activity. Specifically, it analyzes which of these aspects have played a role in three different linking activities of the EU: (1) a failed linking attempt: EU ETS–California Cap-and-Trade Program; (2) a successful linking treaty: EU ETS–Switzerland Emissions Trading System; and (3) an agreed-upon but not realized link: EU ETS–Australia Carbon Pricing Mechanism. Through an interrogation of these examples, Dr. Unger concludes that it is not only the technical challenges or the overall economic benefit but rather domestic interests, structural aspects, and external international political developments that have jointly dominated linking activities, especially those in which the EU takes part. This book will be of great interest to scholars and policy-makers working in climate policy and EU environmental politics. This book constitutes the thoroughly refereed post-proceedings of the 10th International Workshop on Design, Specification, and Verification of Interactive Systems, DSV-IS

2003, held in Funchal, Madeira Island, Portugal, in June 2003. The 26 revised full papers and 5 revised short papers presented together with an invited paper have passed through two rounds of reviewing, selection, and improvement. The papers are organized in topical sections on test and evaluation, Web and groupware, tools and technologies, task modeling, model-based design, mobile and multiple devices, UML, and specification languages.

Las instalaciones domóticas han comenzado a formar parte del ADN de nuestros hogares: un hogar digital conectado, inteligente y adaptado a las necesidades de una nueva sociedad en continuo e incesante cambio y evolución. Este libro desarrolla los contenidos del módulo profesional de Configuración de Instalaciones Domóticas y Automáticas, del Ciclo Formativo de grado superior de Sistemas Electrotécnicos y Automatizados, de la familia profesional de Electricidad y Electrónica. Configuración de instalaciones domóticas y automáticas se ha renovado para que, en esta segunda edición, el lector se aproxime a la evolución que las instalaciones domóticas han sufrido en los últimos años, ayudándole a entender las distintas tecnologías y profundizar en su elección, instalación, puesta en marcha y verificación. La obra es un compendio de las principales tecnologías domóticas existentes en el sector. Se trata de una obra inédita que refleja la necesidad de profundizar en las tecnologías domóticas que cada día se incorporan a nuestros hogares, edificios o ciudades. El calificativo «inteligente» adquiere un nuevo significado, formando parte inherente de los objetos,

instalaciones y otros entes que circundan a nuestro alrededor. Dirigida al alumnado de Ciclos Formativos, de Ingenierías e interesados en la temática en general, este libro persigue como objetivo permitir al lector conocer las instalaciones domóticas y las soluciones tecnológicas asociadas que existen en la actualidad, así como su evolución y tendencias.

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