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History of Nordic Computing 2 John Impagliazzo 2009-09-21 The First Conference on the History of Nordic Computing (HiNC1) was organized in Trondheim, in June 2003. The HiNC1 event focused on the early years of computing, that is the years from the 1940s through the 1960s, although it formally extended to year 1985. In the preface of the proceedings of HiNC1, Janis Bubenko, Jr. , John Impagliazzo, and Arne Sølvberg describe well the peculiarities of early Nordic computing [1]. While developing hardware was a necessity for the first professionals, quite soon the computer became an industrial product. Computer scientists, among others, grew increasingly interested in programming and application software. Progress in these areas from the 1960s to the 1980s was experienced as astonishing. The developments during these decades were taken as the focus of HiNC2. During those decades computers arrived to every branch of large and medium-sized businesses and the users of the computer systems were no longer only computer specialists but also people with other main duties. Compared to the early years of computing before 1960, where the number of computer projects and applications was small, capturing a holistic view of the history between the 1960s and the 1980s is considerably more difficult. The HiNC2 conference attempted to help in this endeavor.

Acronyms Abbreviations & Terms – A Capability Assurance Job Aid 2005 The FAAT List is not designed to be an authoritative source, merely a handy reference. Inclusion recognizes terminology existence, not legitimacy. Entries known to be obsolete are included because they may still appear in extant publications and correspondence.

Control Engineering László Keviczky 2018-10-04 This book offers fundamental information on the analysis and synthesis of continuous and sampled data control systems. It includes all the required preliminary materials (from mathematics, signals and systems) that are needed in order to understand control theory, so readers do not have to turn to other textbooks. Sampled data systems have recently gained increasing

importance, as they provide the basis for the analysis and design of computer-controlled systems. Though the book mainly focuses on linear systems, input/output approaches and state space descriptions are also provided. Control structures such as feedback, feed forward, internal model control, state feedback control, and the Youla parameterization approach are discussed, while a closing section outlines advanced areas of control theory. Though the book also contains selected examples, a related exercise book provides Matlab/Simulink exercises for all topics discussed in the textbook, helping readers to understand the theory and apply it in order to solve control problems. Thanks to this combination, readers will gain a basic grasp of systems and control, and be able to analyze and design continuous and discrete control systems.

Mapping Cyberspace Martin Dodge 2003-09-02 Mapping Cyberspace is a ground-breaking geographic exploration and critical reading of cyberspace, and information and communication technologies. The book: * provides an understanding of what cyberspace looks like and the social interactions that occur there * explores the impacts of cyberspace, and information and communication technologies, on cultural, political and economic relations * charts the spatial forms of virtual spaces * details empirical research and examines a wide variety of maps and spatialisations of cyberspace and the information society * has a related website at <http://www.MappingCyberspace.com>. This book will be a valuable addition to the growing body of literature on cyberspace and what it means for the future.

The Politics of Evidence (Open Access) Justin Parkhurst 2016-10-04 The Open Access version of this book, available at <http://www.tandfebooks.com/>, has been made available under a Creative Commons Attribution-Non Commercial-No Derivatives 3.0 license. There has been an enormous increase in interest in the use of evidence for public policymaking, but the vast majority of work on the subject has failed to engage with the political nature of decision making and how this influences the ways in which evidence will be used (or misused) within political areas. This book provides new insights into the nature of political bias with regards to

evidence and critically considers what an 'improved' use of evidence would look like from a policymaking perspective. Part I describes the great potential for evidence to help achieve social goals, as well as the challenges raised by the political nature of policymaking. It explores the concern of evidence advocates that political interests drive the misuse or manipulation of evidence, as well as counter-concerns of critical policy scholars about how appeals to 'evidence-based policy' can depoliticise political debates. Both concerns reflect forms of bias – the first representing technical bias, whereby evidence use violates principles of scientific best practice, and the second representing issue bias in how appeals to evidence can shift political debates to particular questions or marginalise policy-relevant social concerns. Part II then draws on the fields of policy studies and cognitive psychology to understand the origins and mechanisms of both forms of bias in relation to political interests and values. It illustrates how such biases are not only common, but can be much more predictable once we recognise their origins and manifestations in policy arenas. Finally, Part III discusses ways to move forward for those seeking to improve the use of evidence in public policymaking. It explores what constitutes 'good evidence for policy', as well as the 'good use of evidence' within policy processes, and considers how to build evidence-advisory institutions that embed key principles of both scientific good practice and democratic representation. Taken as a whole, the approach promoted is termed the 'good governance of evidence' – a concept that represents the use of rigorous, systematic and technically valid pieces of evidence within decision-making processes that are representative of, and accountable to, populations served.

Transforming the Future (Open Access) Riel Miller 2018-04-27 People are using the future to search for better ways to achieve sustainability, inclusiveness, prosperity, well-being and peace. In addition, the way the future is understood and used is changing in almost all domains, from social science to daily life. This book presents the results of significant research undertaken by UNESCO with a number of partners to detect and define the theory and practice of anticipation around the world today. It uses the concept of 'Futures Literacy' as a tool to define the understanding of anticipatory systems and processes – also known as the Discipline of Anticipation. This innovative title explores: • new topics such as Futures Literacy and the Discipline of Anticipation; • the evidence collected from over 30 Futures Literacy Laboratories and presented in 14 full case studies; • the need and opportunity for significant innovation in human decision-making systems. This book will be of great interest to scholars, researchers, policy-makers and students, as well as activists working on sustainability issues and innovation, future studies and anticipation studies. The Open Access version of this book, available at <https://www.taylorfrancis.com/books/e/9781351047999>, has been made available under a Attribution-NonCommercial-NoDerivs 3.0 IGO (CC-BY-NC-ND 3.0 IGO) license.

Fractional Order Control and Synchronization of Chaotic Systems Ahmad Taher Azar 2017-02-27 The book

reports on the latest advances in and applications of fractional order control and synchronization of chaotic systems, explaining the concepts involved in a clear, matter-of-fact style. It consists of 30 original contributions written by eminent scientists and active researchers in the field that address theories, methods and applications in a number of research areas related to fractional order control and synchronization of chaotic systems, such as: fractional chaotic systems, hyperchaotic systems, complex systems, fractional order discrete chaotic systems, chaos control, chaos synchronization, jerk circuits, fractional chaotic systems with hidden attractors, neural network, fuzzy logic controllers, behavioral modeling, robust and adaptive control, sliding mode control, different types of synchronization, circuit realization of chaotic systems, etc. In addition to providing readers extensive information on chaos fundamentals, fractional calculus, fractional differential equations, fractional control and stability, the book also discusses key applications of fractional order chaotic systems, as well as multidisciplinary solutions developed via control modeling. As such, it offers the perfect reference guide for graduate students, researchers and practitioners in the areas of fractional order control systems and fractional order chaotic systems.

Micro-foundations for Innovation Policy B. Nooteboom 2008 In economics, business, and government policy, innovation policy requires the creation of new approaches based on insight in what happens in innovation processes, on the micro level of people, firms and interaction between them. In innovation policy it should also be recognized that innovation entails a whole range of activities beyond R&D, such as entrepreneurship, design, commercialization, organization, collaboration and the diffusion of knowledge and innovations. This edited volume explores the roles of individuals and organizations involved in the creation and application of innovations. Covering topics as diverse as the macro-economic importance of innovation, theories of knowledge and learning, entrepreneurship, education and research, organizational innovation, networks and regional innovation systems, *Micro-Foundations for Innovation Policy* provides critical insights into the development of innovation policy.

World Wildlife Crime Report 2020 United Nations Publications 2021-03-31 The report presents the latest assessment of global trends in wildlife crime. It includes discussions on illicit rosewood, ivory, rhino horn, pangolin scales, live reptiles, tigers and other big cats, and European eel. The COVID-19 (coronavirus) pandemic has highlighted that wildlife crime is a threat not only to the environment and biodiversity, but also to human health, economic development and security. Zoonotic diseases - those caused by pathogens that spread from animals to humans - represent up to 75% of all emerging infectious diseases. Trafficked wild species and the resulting products offered for human consumption, by definition, escape any hygiene or sanitary control, and therefore pose even greater risks of infection.

Cyber-Security and Threat Politics Myriam Dunn Cavelty 2007-11-28 This book explores the political process behind the construction of cyber-threats as one of the quintessential security threats of modern times in the US. Myriam Dunn Cavelty posits that cyber-threats are definable by their unsubstantiated nature. Despite this, they have been propelled to the forefront of the political agenda. Using an innovative theoretical approach, this book examines how, under what conditions, by whom, for what reasons, and with what impact cyber-threats have been moved on to the political agenda. In particular, it analyses how governments have used threat frames, specific interpretive schemata about what counts as a threat or risk and how to respond to this threat. By approaching this subject from a security studies angle, this book closes a gap between practical and theoretical academic approaches. It also contributes to the more general debate about changing practices of national security and their implications for the international community.

Telematic Embrace Roy Ascott 2003 Annotation Telematic Embrace combines a provocative collection of writings from 1964 to the present by the preeminent artist and art theoretician Roy Ascott, with a critical essay by Edward Shanken that situates Ascott's work within a history of ideas in art, technology, and philosophy.

Control System Design Bernard Friedland 2012-03-08 Introduction to state-space methods covers feedback control; state-space representation of dynamic systems and dynamics of linear systems; frequency-domain analysis; controllability and observability; shaping the dynamic response; more. 1986 edition.

Linear Control System Analysis and Design with MATLAB®, Sixth Edition Constantine H. Houppis 2013-10-30 Thoroughly classroom-tested and proven to be a valuable self-study companion, Linear Control System Analysis and Design: Sixth Edition provides an intensive overview of modern control theory and conventional control system design using in-depth explanations, diagrams, calculations, and tables. Keeping mathematics to a minimum, the book is designed with the undergraduate in mind, first building a foundation, then bridging the gap between control theory and its real-world application. Computer-aided design accuracy checks (CADAC) are used throughout the text to enhance computer literacy. Each CADAC uses fundamental concepts to ensure the viability of a computer solution. Completely updated and packed with student-friendly features, the sixth edition presents a range of updated examples using MATLAB®, as well as an appendix listing MATLAB functions for optimizing control system analysis and design. Over 75 percent of the problems presented in the previous edition have been revised or replaced.

Visual Methodology in Migration Studies Karolina Nikielska-Sekula 2021-07-29 This open access book explores the use of visual methods in migration studies through a combination of theoretical analyses and empirical studies. The first section looks at how various visual methods, including photography, film, and mental maps, may be used to analyse the spatial presence of migrants. The second section addresses the

processual building of narratives around migration, thereby using formats such as film and visual essay, and reflecting upon the ways they become carriers and mediators of both story and theory within the subject of migration. Section three focuses on vulnerable communities and discusses how visual methods can empower these communities, thereby also focusing on the theoretical and ethical implications of migration. The fourth section addresses the issue of migrant representation in visual discourses. Based on these contributions, a concluding methodological chapter systematizes the use of visual methods in migration studies across disciplines, with regard to their empirical, theoretical, and ethical implications. Multidisciplinary in character, this book is an interesting read for students and migration scholars who engage with visual methodologies, as well as practitioners, journalists, filmmakers, photographers, curators of exhibitions who address the topic of migration visually.

Control Systems Engineering Eighth Edition Abridged Print Companion with Wiley E-Text Reg Card Set

Norman S. Nise 2019-01-08

Control Systems Engineering Norman S. Nise 1995-01-15

Neural Networks and Statistical Learning Ke-Lin Du 2019-09-12 This book provides a broad yet detailed introduction to neural networks and machine learning in a statistical framework. A single, comprehensive resource for study and further research, it explores the major popular neural network models and statistical learning approaches with examples and exercises and allows readers to gain a practical working understanding of the content. This updated new edition presents recently published results and includes six new chapters that correspond to the recent advances in computational learning theory, sparse coding, deep learning, big data and cloud computing. Each chapter features state-of-the-art descriptions and significant research findings. The topics covered include: • multilayer perceptron; • the Hopfield network; • associative memory models; • clustering models and algorithms; • the radial basis function network; • recurrent neural networks; • nonnegative matrix factorization; • independent component analysis; • probabilistic and Bayesian networks; and • fuzzy sets and logic. Focusing on the prominent accomplishments and their practical aspects, this book provides academic and technical staff, as well as graduate students and researchers with a solid foundation and comprehensive reference on the fields of neural networks, pattern recognition, signal processing, and machine learning.

Systematic Reviews in Educational Research Olaf Zawacki-Richter 2019-11-21 In this open access edited volume, international researchers of the field describe and discuss the systematic review method in its application to research in education. Alongside fundamental methodical considerations, reflections and practice examples are included and provide an introduction and overview on systematic reviews in education

research.

Neighbourhood Effects Research: New Perspectives Maarten van Ham 2011-11-22 Over the last 25 years a vast body of literature has been published on neighbourhood effects: the idea that living in more deprived neighbourhoods has a negative effect on residents' life chances over and above the effect of their individual characteristics. The volume of work not only reflects academic and policy interest in this topic, but also the fact that we are still no closer to answering the question of how important neighbourhood effects actually are. There is little doubt that these effects exist, but we do not know enough about the causal mechanisms which produce them, their relative importance in shaping individual's life chances, the circumstances or conditions under which they are most important, or the most effective policy responses. Collectively, the chapters in this book offer new perspectives on these questions, and refocus the academic debate on neighbourhood effects. The book enriches the neighbourhood effects literature with insights from a wide range of disciplines and countries.

A Treatise on the Stability of a Given State of Motion Edward John Routh 1877

The United Nations, Peace and Security Ramesh Thakur 2006-06-08 Preventing humanitarian atrocities is becoming as important for the United Nations as dealing with inter-state war. In this book, Ramesh Thakur examines the transformation in UN operations, analysing its changing role and structure. He asks why, when and how force may be used and argues that the growing gulf between legality and legitimacy is evidence of an eroded sense of international community. He considers the tension between the US, with its capacity to use force and project power, and the UN, as the centre of the international law enforcement system. He asserts the central importance of the rule of law and of a rules-based order focused on the UN as the foundation of a civilised system of international relations. This book will be of interest to students of the UN and international organisations in politics, law and international relations departments, as well as policymakers in the UN and other NGOs.

Playing the Waves Jan Simons 2007 Dogma 95, the avant-garde filmmaking movement founded by the Danish director Lars von Trier and three of his fellow directors, was launched in 1995 at an elite cinema conference in Paris—when von Trier was called upon to speak about the future of film but instead showered the audience with pamphlets announcing the new movement and its manifesto. A refreshingly original critical commentary on the director and his practice, *Playing the Waves* is a paramount addition to one of new media's most provocative genres: games and gaming. *Playing the Waves* cleverly puns on the title of one of von Trier's most famous features and argues that Dogma 95, like much of the director's low-budget realist productions, is a game that takes cinema beyond the traditional confines of film aesthetics and dramatic rules.

Simons articulates the ways in which von Trier redefines the practice of filmmaking as a rule-bound activity, and stipulates the forms and structures of games von Trier brings to bear on his films, as well as the sobering lessons he draws from economic and evolutionary game theory. Much like the director's films, this fascinating volume takes the traditional point of view of film theory and film aesthetics to the next level and demonstrates we have much to learn from the perspective of game studies and game theory.

Fundamentals of Heat and Mass Transfer Theodore L. Bergman 2020-07-08 With Wiley's Enhanced E-Text, you get all the benefits of a downloadable, reflowable eBook with added resources to make your study time more effective. *Fundamentals of Heat and Mass Transfer* 8th Edition has been the gold standard of heat transfer pedagogy for many decades, with a commitment to continuous improvement by four authors' with more than 150 years of combined experience in heat transfer education, research and practice. Applying the rigorous and systematic problem-solving methodology that this text pioneered an abundance of examples and problems reveal the richness and beauty of the discipline. This edition makes heat and mass transfer more approachable by giving additional emphasis to fundamental concepts, while highlighting the relevance of two of today's most critical issues: energy and the environment.

Youth Transforming Conflict Nadine Lyamouri-Bajja 2013-01-01 In 1998, the Council of Europe and the European Commission decided to take common action in the field of youth. Both institutions initiated a partnership agreement with the aim "to promote active European citizenship and civil society by giving impetus to the training of youth leaders and youth workers working within a European dimension". In 2003, additional agreements were signed in the fields of "youth research" and "Euro-Mediterranean youth co-operation". Since 2005, the partnership between the European Commission and the Council of Europe in the field of youth activities has focused on the following topics: European citizenship, human rights education and intercultural dialogue, quality and recognition of youth work and training, better understanding and knowledge of youth and youth policy development. The partnership between the European Commission and the Council of Europe in the field of youth brings together the two institutions' experience in non-formal education, youth policy, youth research and youth work practice. Activities organised within its framework gather representatives of those areas who share their knowledge and experience for the benefit of enhancing evidence-based policy, practice, quality and recognition of youth work and training. Results and other material are made available on the partnership website (<http://youth-partnership-eu.coe.int>) and in various publications, including the Training Kits (T-Kits). T-Kits are thematic publications written by experienced youth trainers and experts and constitute easy-to-use handbooks for educational activities. All activities and publications enhance the exchange of experience and good practice between the actors involved and contribute to the

implementation of the political objectives of both partner institutions.

Control Systems Engineering Norman S. Nise 2020-06-23 Highly regarded for its accessibility and focus on practical applications, *Control Systems Engineering* offers students a comprehensive introduction to the design and analysis of feedback systems that support modern technology. Going beyond theory and abstract mathematics to translate key concepts into physical control systems design, this text presents real-world case studies, challenging chapter questions, and detailed explanations with an emphasis on computer aided design. Abundant illustrations facilitate comprehension, with over 800 photos, diagrams, graphs, and tables designed to help students visualize complex concepts. Multiple experiment formats demonstrate essential principles through hypothetical scenarios, simulations, and interactive virtual models, while *Cyber Exploration Laboratory Experiments* allow students to interface with actual hardware through National Instruments' myDAQ for real-world systems testing. This emphasis on practical applications has made it the most widely adopted text for core courses in mechanical, electrical, aerospace, biomedical, and chemical engineering. Now in its eighth edition, this top-selling text continues to offer in-depth exploration of up-to-date engineering practices.

Control Systems Engineering Norman S. Nise 2004 Designed to make the material easy to understand, this clear and thorough book emphasizes the practical application of systems engineering to the design and analysis of feedback systems. Nise applies control systems theory and concepts to current real-world problems, showing readers how to build control systems that can support today's advanced technology.

Control Systems Engineering, JustAsk! Control Solutions Companion Norman S. Nise 2003-09-09 Emphasizing the practical application of control systems engineering, the new Fourth Edition shows how to analyze and design real-world feedback control systems. Readers learn how to create control systems that support today's advanced technology and apply the latest computer methods to the analysis and design of control systems. * A methodology with clearly defined steps is presented for each type of design problem. * Continuous design examples give a realistic view of each stage in the control systems design process. * A complete tutorial on using MATLAB Version 5 in designing control systems prepares readers to use this important software tool.

Sentic Computing Erik Cambria 2012-07-28 In this book common sense computing techniques are further developed and applied to bridge the semantic gap between word-level natural language data and the concept-level opinions conveyed by these. In particular, the ensemble application of graph mining and multi-dimensionality reduction techniques is exploited on two common sense knowledge bases to develop a novel intelligent engine for open-domain opinion mining and sentiment analysis. The proposed approach, termed sentic computing, performs a clause-level semantic analysis of text, which allows the inference of both the

conceptual and emotional information associated with natural language opinions and, hence, a more efficient passage from (unstructured) textual information to (structured) machine-processable data.

Überveillance and the Social Implications of Microchip Implants: Emerging Technologies Michael, M.G.

2013-09-30 "This book presents case studies, literature reviews, ethnographies, and frameworks supporting the emerging technologies of RFID implants while also highlighting the current and predicted social implications of human-centric technologies"--Provided by publisher.

New Realities in Foreign Affairs Volker Stanzel 2019-07-08 Moderne Diplomatie wirkt heute in viele Bereiche des modernen Lebens hinein. Sie ist zugleich selbst neuen Einflüssen ausgesetzt. Faktoren, die unsere Gesellschaften verändern, verändern auch unser Regierungshandeln, auch in der Außenpolitik, seien es Digitalisierung, emotionalisierte Sensibilitäten unserer Öffentlichkeiten oder nicht-staatliche internationale Akteure. Derartige Entwicklungen müssen von der Diplomatie aufgenommen werden, damit sie weiter als Instrument einer Regierung funktionieren kann. Regierungen sollten Wege finden, zwischen den neuen Bedürfnissen der Gesellschaft und den Notwendigkeiten legitimen Regierungshandelns zu vermitteln. Das Ziel sollte sein, als souveräner Staat handeln zu können und zugleich das Potential der tiefgreifenden gesellschaftlichen Veränderungen zu nutzen. Mit Beiträgen von Volker Stanzel, Sascha Lohmann, Andrew Cooper, Christer Jönsson, Corneliu Bjola, Emillie V. de Keulenaar, Jan Melissen, Karsten D. Voigt, Kim B. Olsen, Hanns W. Maull und R. S. Zaharna

Applied Reconfigurable Computing Stephan Wong 2017-03-30 This book constitutes the refereed proceedings of the 13th International Symposium on Applied Reconfigurable Computing, ARC 2017, held in Delft, The Netherlands, in April 2017. The 17 full papers and 11 short papers presented in this volume were carefully reviewed and selected from 49 submissions. They are organized in topical sections on adaptive architectures, embedded computing and security, simulation and synthesis, design space exploration, fault tolerance, FPGA-based designs, neural networks, and languages and estimation techniques.

The Politics of Knowledge in Inclusive Development and Innovation David Ludwig 2021-10-15 This book develops an integrated perspective on the practices and politics of making knowledge work in inclusive development and innovation. While debates about development and innovation commonly appeal to the authority of academic researchers, many current approaches emphasise the plurality of actors with relevant expertise for addressing livelihood challenges. Adopting an action-oriented and reflexive approach, this volume explores the variety of ways in which knowledge works, paying particular attention to dilemmas and controversies. The six parts of the book address the complex interplay of knowledge and politics, starting with the need for knowledge integration in the first part and decolonial perspectives on the politics of knowledge

integration in the second part. The following three parts focus on the practices of inclusive development and innovation through three major themes of learning for transformative change, evidence, and digitisation. The final part of the book addresses the governance of knowledge and innovation in the light of political struggles about inclusivity. Exploring conceptual and practical themes through case studies from the Global North and South, this book will be of great interest to students, scholars, and practitioners researching and working in development studies, epistemology, innovation studies, science and technology studies, and sustainability studies more broadly.

Cyberspace and the State David J. Betz 2017-10-03 The major aim of *Cyberspace and the State* is to provide conceptual orientation on the new strategic environment of the Information Age. It seeks to restore the equilibrium of policy-makers which has been disturbed by recent cyber scares, as well as to bring clarity to academic debate on the subject particularly in the fields of politics and international relations, war and strategic studies. Its main chapters explore the impact of cyberspace upon the most central aspects of statehood and the state system power, sovereignty, war, and dominion. It is concerned equally with practice as with theory and may be read in that sense as having two halves.

The Handbook of Communication Skills Owen Hargie 2018-07-16 *The Handbook of Communication Skills* is recognised as one of the core texts in the field of communication, offering a state-of-the-art overview of this rapidly evolving field of study. This comprehensively revised and updated fourth edition arrives at a time when the realm of interpersonal communication has attracted immense attention. Recent research showing the potency of communication skills for success in many walks of life has stimulated considerable interest in this area, both from academic researchers, and from practitioners whose day-to-day work is so dependent on effective social skills. Covering topics such as non-verbal behaviour, listening, negotiation and persuasion, the book situates communication in a range of different contexts, from interacting in groups to the counselling interview. Based on the core tenet that interpersonal communication can be conceptualised as a form of skilled activity, and including new chapters on cognitive behavioural therapy and coaching and mentoring, this new edition also places communication in context with advances in digital technology. *The Handbook of Communication Skills* represents the most significant single contribution to the literature in this domain. Providing a rich mine of information for the neophyte and practising professional, it is perfect for use in a variety of contexts, from theoretical mainstream communication modules on degree programmes to vocational courses in health, business and education. With contributions from an internationally renowned range of scholars, this is the definitive text for students, researchers and professionals alike.

New Media Leah A. Lievrouw 2009

Omnia Sunt Communia Massimo De Angelis 2017-04-15 In this weaving of radical political economy, *Omnia Sunt Communia* sets out the steps to postcapitalism. By conceptualising the commons not just as common goods but as a set of social systems, Massimo De Angelis shows their pervasive presence in everyday life, mapping out a strategy for total social transformation. From the micro to the macro, De Angelis unveils the commons as fields of power relations – shared space, objects, subjects – that explode the limits of daily life under capitalism. He exposes attempts to co-opt the commons, through the use of code words such as 'participation' and 'governance', and reveals the potential for radical transformation rooted in the reproduction of our communities, of life, of work and of society as a whole.

Embedded Control Systems in C/C++ Jim Ledin 2003-01-12 Implement proven design techniques for control systems without having to master any advanced mathematics. Using an effective step-by-step approach, this book presents a number of control system design techniques geared toward readers of all experience levels.

The Ten Types of Human Dexter Dias 2017-06-01 The inspiration behind the hit podcast THE 100 TYPES OF HUMAN with DEXTER DIAS and BBC 5 Live host NIHAL ARTHANAYAKE 'This book is the one. Think *Sapiens* and triple it.' - Julia Hobsbawm, author of *Fully Connected* _____ We all have ten types of human in our head. They're the people we become when we face life's most difficult decisions. We want to believe there are things we would always do - or things we never would. But how can we be sure? What are our limits? Do we have limits? *The Ten Types of Human* is a pioneering examination of human nature. It looks at the best and worst that human beings are capable of, and asks why. It explores the frontiers of the human experience, uncovering the forces that shape our thoughts and actions in extreme situations. From courtrooms to civil wars, from Columbus to child soldiers, Dexter Dias takes us on a globe-spanning journey in search of answers, touching on the lives of some truly exceptional people. Combining cutting-edge neuroscience, social psychology and human rights research, *The Ten Types of Human* is a provocative map to our hidden selves. It provides a new understanding of who we are - and who we can be.

_____ 'The Ten Types of Human is a fantastic piece of non-fiction, mixing astonishing real-life cases with the latest scientific research to provide a guide to who we really are. It's inspiring and essential.' - Charles Duhigg, author of *The Power of Habit* 'I emerged from this book feeling better about almost everything... a mosaic of faces building into this extraordinary portrait of our species.' - Guardian 'Uplifting and indispensable.' - Howard Cunnell _____ What readers are saying about 'the most important book in years': 'utterly compelling...this one comes with a warning - only pick it up if you can risk not putting it down' - Wendy Heydorn on Amazon, 5 stars 'one of the most remarkable books I've read... I can genuinely say that it has changed the way I view the world' - David Jones

on Amazon, 5 stars 'Essential reading for anyone wishing to understand the human condition... a thrilling and beautifully crafted book' - Wasim on Amazon, 5 stars 'This is the most important book I have read in years' - Natasha Geary on Amazon, 5 stars 'an important and fascinating read... It will keep you glued to the page' - Hilary Burrage on Amazon, 5 stars 'a journey that I will never forget, will always be grateful for, and I hope will help me question who I am... a work of genius' - Louise on Amazon, 5 stars 'This is a magnificent book that will capture the interest of every type of reader... one of those rare and special books that demand rereading' - Amelia on Amazon, 5 stars 'I simply couldn't put it down... one of the most significant books of our time' - Jocelyne Quennell on Amazon, 5 stars 'Read The Ten Types of Human and be prepared to fall in love' - Helen Fospero on Amazon, 5 stars

Liquid Life Rachel Armstrong 2019-12-11 If we lived in a liquid world, the concept of a "machine" would make no sense. Liquid life is metaphor and apparatus that discusses the consequences of thinking, working, and living through liquids. It is an irreducible, paradoxical, parallel, planetary-scale material condition, unevenly distributed spatially, but temporally continuous. It is what remains when logical explanations can no longer account for the experiences that we recognize as part of "being alive." Liquid life references a third-millennial understanding of matter that seeks to restore the agency of the liquid soul for an ecological era, which has been banished by reductionist, "brute" materialist discourses and mechanical models of life. Offering an alternative worldview of the living realm through a "new materialist" and "liquid" study of matter, it conjures forth examples of creatures that do not obey mechanistic concepts like predictability, efficiency, and rationality. With the advent of molecular science, an increasingly persuasive ontology of liquid technologies can be identified. Through the lens of lifelike dynamic droplets, the agency for these systems exists at the interfaces between different fields of matter/energy that respond to highly local effects, with no need for a central organizing system. Liquid Life seeks an alternative partnership between humanity and the natural world. It provokes a re-invention of the languages of the living realm to open up alternative spaces for exploration: Rolf Hughes' "angelology" of language explores the transformative invocations of prose poetry, and Simone Ferracina's graphical notations help shape our concepts of metabolism, upcycling, and designing with fluids. A conceptual and practical toolset for thinking and designing, Liquid Life reunites us with the

irreducible "soul substance" of living things, which will neither be simply "solved," nor go away. Rachel Armstrong is Professor of Experimental Architecture at Newcastle University (UK), and has also been a Rising Waters II Fellow for the Robert Rauschenberg Foundation (April-May 2016), TWOTY futurist in 2015, Fellow of the British Interplanetary Society, and a Senior TED Fellow in 2010. She is also the coordinator of the Living Architecture project, an EU-funded project that establishes the principles for our buildings to share some of the properties of living things, e.g. metabolism, operating at the intersection of architecture, building construction, bio-energy and synthetic biology. She is also the author of *Vibrant Architecture* (De Gruyter, 2015), *Star Ark: A Living, Self-Sustaining Spaceship* (Springer, 2017), and *Soft Living Architecture: An Alternative View of Bio-informed Design Practice* (Bloomsbury, 2018).

Lab Manual for Introductory Circuit Analysis Robert L. Boylestad 2015-07-09 The primary objectives of this revision of the laboratory manual include insuring that the procedures are clear, that the results clearly support the theory, and that the laboratory experience results in a level of confidence in the use of the testing equipment commonly found in the industrial environment. For those curriculums devoted to a dc analysis one semester and an ac analysis the following semester there are more experiments for each subject than can be covered in a single semester. The result is the opportunity to pick and choose those experiments that are more closely related to the curriculum of the college or university. All of the experiments have been run and tested during the 13 editions of the text with changes made as needed. The result is a set of laboratory experiments that should have each step clearly defined and results that closely match the theoretical solutions. Two experiments were added to the ac section to provide the opportunity to make measurements that were not included in the original set. Developed by Professor David Krispinsky of Rochester Institute of Technology they match the same format of the current laboratory experiments and cover the material clearly and concisely. All the experiments are designed to be completed in a two or three hour laboratory session. In most cases, the write-up is work to be completed between laboratory sessions. Most institutions begin the laboratory session with a brief introduction to the theory to be substantiated and the use of any new equipment to be used in the session.