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KEY=EVCA - GRETCHEN BLACKBURN

HUMANIZING DIGITAL REALITY

DESIGN MODELLING SYMPOSIUM PARIS 2017

Springer This book aims at finding some answers to the questions: What is the influence of humans in controlling CAD and how much is human in control of its surroundings? How far does our reach as humans really go? Do the complex algorithms that we use for city planning nowadays live up to their expectations and do they offer enough quality? How much data do we have and can we control? Are today's inventions reversing the humanly controlled algorithms into a space where humans are controlled by the algorithms? Are processing power, robots for the digital environment and construction in particular not only there to rediscover what we already knew and know or do they really bring us further into the fields of constructing and architecture? The chapter authors were invited speakers at the 6th Symposium "Design Modelling Symposium: Humanizing Digital Reality", which took place in Ensa-Versailles, France from 16 - 20 September 2017.

CONTROL OF DISCRETE-EVENT SYSTEMS

AUTOMATA AND PETRI NET PERSPECTIVES

Springer Control of Discrete-event Systems provides a survey of the most important topics in the discrete-event systems theory with particular focus on finite-state automata, Petri nets and max-plus algebra. Coverage ranges from introductory material on the basic notions and definitions of discrete-event systems to more recent results. Special attention is given to results on supervisory control, state estimation and fault diagnosis of both centralized and distributed/decentralized systems developed in the framework of the Distributed Supervisory Control of Large Plants (DISC) project. Later parts of the text are devoted to the study of congested

systems though fluidization, an over approximation allowing a much more efficient study of observation and control problems of timed Petri nets. Finally, the max-plus algebraic approach to the analysis and control of choice-free systems is also considered. Control of Discrete-event Systems provides an introduction to discrete-event systems for readers that are not familiar with this class of systems, but also provides an introduction to research problems and open issues of current interest to readers already familiar with them. Most of the material in this book has been presented during a Ph.D. school held in Cagliari, Italy, in June 2011.

YEARBOOK ON SPACE POLICY 2006/2007

NEW IMPETUS FOR EUROPE

Springer Science & Business Media The Yearbook on Space Policy aims to be the reference publication analyzing space policy developments. Each year it presents issues and trends in space policy and the space sector as a whole. Its scope is global and its perspective is European.

EVOLUTION OF PARALLEL CELLULAR MACHINES

THE CELLULAR PROGRAMMING APPROACH

Springer Verlag Collective systems, abounding in nature, have evolved by natural selection to exhibit striking problem-solving capacities. Employing simple yet versatile parallel cellular models, coupled with evolutionary computation techniques, this volume explores the issue of constructing man-made systems that exhibit characteristics like those occurring in nature. Parallel cellular machines hold potential both scientifically, as vehicles for studying phenomena of interest in areas such as complex adaptive systems and artificial life, and practically, enabling the construction of novel systems, endowed with evolutionary, reproductive, regenerative, and learning capabilities. This volume examines the behavior of such machines, the complex computation they exhibit, and the application of artificial evolution to attain such systems.

VIBRATIONAL OPTICAL ACTIVITY

PRINCIPLES AND APPLICATIONS

John Wiley & Sons This unique book stands as the only comprehensive introduction to vibrational optical activity (VOA) and is the first single book that serves as a complete reference for this relatively new, but increasingly important area of molecular spectroscopy. Key features: A single-source reference on this topic that introduces, describes the background and foundation of this area of spectroscopy. Serves as a guide on how to use it to carry out applications with relevant problem solving. Depth and breadth of the subject is presented in a logical, complete and progressive fashion. Although intended as an introductory text, this book provides in depth coverage of this topic relevant to both students and professionals by taking the reader from basic theory through to practical and instrumental approaches.

THE QWERTY/EE CONCEPT : QUANTIFYING RECYCLABILITY AND ECO-EFFICIENCY FOR END-OF-LIFE TREATMENT OF CONSUMER ELECTRONIC PRODUCTS

NURTURING SCIENCE-BASED VENTURES

AN INTERNATIONAL CASE PERSPECTIVE

Springer Science & Business Media This book includes over 30 real-life, up-to-date, award-winning case studies in scientific fields such as biotechnology, biomedicine, high-tech engineering and information technology. The case studies are arranged in modules that track the typical life cycle of creating and growing a new venture, which presents a comprehensive picture of entrepreneurial activities. The text is written in a language and style that managers will appreciate.

THE PLAN FOR GROWTH

The Stationery Office This supporting document to Budget 2011 (HC 836, ISBN 9780102971033) sets out the Government's plan for sustainable, long-term economic growth for the UK economy. It sets out four ambitions that underpin this objective, these are: to create the most competitive tax system in the G20; to make the UK one of the best places in Europe to start, finance and grow a business; to encourage investment and exports as a route to a more balanced economy and to create a more educated workforce that is the most flexible in Europe. Growth review measures outlined in Chapter 2 cover these priority areas: planning; regulation; trade and inward investment; access to finance; competition; corporate governance; low carbon. The first phase of the review also examined eight sectors of the economy to remove the barriers to growth that affect them: advanced manufacturing; healthcare and life sciences; digital and creative industries; professional and business services; retail; construction; space; tourism.

ENTREPRENEURSHIP IN SPAIN

A HISTORY

Routledge The figure of the entrepreneur has become a relevant factor that explains the process of growth and economic development. Rising unemployment rates have generated among institutional and private agents, a significant interest in promoting entrepreneurship as a formula to eradicate this social scourge of unemployment. Active policies that favor business culture and initiative are being promoted in all areas. In the university world, academic research has multiplied the work on entrepreneurship, a term that includes a triple meaning: the figure of the entrepreneur, the business function and the creation of companies. This versatile meaning must be based on a consistent theory about the company and the entrepreneur. This book presents specific cases of companies and entrepreneurs that have had their role throughout the history of Spain. The intention is to show the techniques and learning acquired by those agents, which have allowed a considerable advance in the knowledge of the structure and business development.

This book brings together the research carried out by its authors with primary sources and makes it accessible to a wide audience—Spanish and Latin American—and will be of value to researchers, academics, and students with an interest in Spanish entrepreneurship, business, and management history.

ENVIRONMENTAL INNOVATION

INCENTIVES AND BARRIERS

STEEL CONSTRUCTION MANUAL

Princeton Architectural Press For ease of comparison all the plans have been drawn to the same scale." "The volume concludes with an extensive bibliography and a listing of the relevant norms and standards, making this work an essential reference for all architects and engineers."--BOOK JACKET.

VALUE-CHAIN OF BIOFUELS

FUNDAMENTALS, TECHNOLOGY, AND STANDARDIZATION

Elsevier Value-Chain of Biofuels: Fundamentals, Technology, and Standardization presents the fundamental aspects of biofuel production, from biomass conversion technologies and biofuels' end products to related policy regulation and standardization. Sections explore the current biofuels industry, addressing pretreatment, feedstocks, and conversion processes, review different pathways to produce biofuels, including bioethanol, biochar, biogas/bio-hydrogen, bio-oil, biodiesel, and many others, and finally, present policy regulation and standardization on biofuel production, with a focus on applications. Case studies are provided alongside reviews from academic and industry perspectives, discussing economics and lifecycle assessments (LCA) of biofuel production, as well as analyses of supply chains. Offering a comprehensive and timely overview, this book provides an ideal reference for researchers and practitioners working in bioenergy and renewable energy, but it will also be of interest to chemists, bioengineers, chemical engineers, and the agricultural and petrochemical industries. Helps readers gain academic and industry perspectives on biofuel production with the inclusion of lab-based experimentation and informative case studies Contains an exhaustive analysis of biomass conversion technologies for biofuels and biochemicals Provides a clear and concise text that avoids the overuse of jargon and technical language

DYNAMISING NATIONAL INNOVATION SYSTEMS

OECD Publishing Synthesising the results of a multi-year OECD project on national innovation systems (NIS), this publication demonstrates how the NIS approach can be implemented in designing and implementing more efficient technology and innovation policies.

INTRODUCTORY SOLID STATE PHYSICS WITH MATLAB APPLICATIONS

CRC Press Solid state physics, the study and prediction of the fundamental physical properties of materials, forms the backbone of modern materials science and has

many technological applications. The unique feature of this text is the MATLAB®-based computational approach with several numerical techniques and simulation methods included. This is highly effective in addressing the need for visualization and a direct hands-on approach in learning the theoretical concepts of solid state physics. The code is freely available to all textbook users. Additional Features: Uses the pedagogical tools of computational physics that have become important in enhancing physics teaching of advanced subjects such as solid state physics Adds visualization and simulation to the subject in a way that enables students to participate actively in a hand-on approach Covers the basic concepts of solid state physics and provides students with a deeper understanding of the subject matter Provides unique example exercises throughout the text Obtains mathematical analytical solutions Carries out illustrations of important formulae results using programming scripts that students can run on their own and reproduce graphs and/or simulations Helps students visualize solid state processes and apply certain numerical techniques using MATLAB®, making the process of learning solid state physics much more effective Reinforces the examples discussed within the chapters through the use of end-of-chapter exercises Includes simple analytical and numerical examples to more challenging ones, as well as computational problems with the opportunity to run codes, create new ones, or modify existing ones to solve problems or reproduce certain results

SYSTEMATIC (SOFTWARE) INNOVATION

EU COMPETITION LAW

BETWEEN PUBLIC AND PRIVATE ENFORCEMENT

Despite several decades' worth of explicit directives, green papers, white papers, proposals, and communications from the European Commission, the actual enforcement of competition law across the Member States today is rife with shifting patterns that escape a clearly bounded framework. The underlying cause of this disarray, the authors of this deeply engaged work contend, lies in a host of legal uncertainties scattered around the intersection where private enforcement encounters the mechanisms of decentralized public enforcement--an area where a number of general as well as special questions of EU competition law, even its very goals and principles, rise into prominence. In this truly authoritative book, eleven well-known European jurists and academics, all experts in competition law, offer in-depth perspectives on these questions and reveal conflicts between EU competition law and enforcement regimes. The subjects on which they focus include the following: agreements and concerted practices; the effect on trade criterion; the quasi legislative role of the Commission; the need to preserve a central role for the preliminary ruling mechanism; burden and standard of proof issues; the role of experts; the abuse of a dominant position in the form of "margin squeeze"; the lack of transparency characterizing the European Competition Network; leniency programmes and the circulation of evidence; calculation of damages and the passing-on defence; peculiarities of antitrust enforcement in the e-communications sector; EU legislative competences in the audiovisual sector; specific features of the

pharmaceutical sector; and recent enforcement in the financial services sector. A cumulative effect of the analysis and commentary emerges: that the issues of transparency and process of law raised in this book are profoundly related to the crisis of legitimation that the European Union is currently facing. For this reason the book will be of great interest not only to practitioners, academics, jurists, and officials in competition law, but to a wider legal community as well.

HOMOGENEOUS CHARGE COMPRESSION IGNITION (HCCI) ENGINES

KEY RESEARCH AND DEVELOPMENT ISSUES

SAE International The homogeneous charge, compression-ignition (HCCI) combustion process has the potential to significantly reduce NOx and particulate emissions, while achieving high thermal efficiency and the capability of operating with a wide variety of fuels. This makes the HCCI engine an attractive technology that can ostensibly provide diesel-like fuel efficiency and very low emissions, which may allow emissions compliance to occur without relying on lean aftertreatment systems. A profound increase in the level of research and development of this technology has occurred in the last decade. This book gathers contributions from experts in both industry and academia, providing a basic introduction to the state-of-the-art of HCCI technology, a critical review of current HCCI research and development efforts, and perspective for the future. Chapters cover: Gasoline-Fueled HCCI Engines; Diesel-Fueled HCCI Engines; Alternative Fuels and Fuel Additives for HCCI Engines; HCCI Control and Operating Range Extension; Kinetics of HCCI Combustion; HCCI Engine Modeling Approaches. In addition to the extensive overview of terminology, physical processes, and future needs, each chapter also features select SAE papers (a total of 41 are included in the book), as well as a comprehensive list of references related to the subjects. *Homogeneous Charge Compression Ignition (HCCI) Engines: Key Research and Development Issues* provides a valuable base of information for those interested in learning about this rapidly-progressing technology which has the potential to enhance fuel economy and reduce emissions.

ADVANCES IN APPLIED SELF-ORGANIZING SYSTEMS

Springer Science & Business Media How do we design a self-organizing system? Is it possible to validate and control non-deterministic dynamics? What is the right balance between the emergent patterns that bring robustness, adaptability and scalability, and the traditional need for verification and validation of the outcomes? The last several decades have seen much progress from original ideas of “emergent functionality” and “design for emergence”, to sophisticated mathematical formalisms of “guided self-organization”. And yet the main challenge remains, attracting the best scientific and engineering expertise to this elusive problem. This book presents state-of-the-practice of successfully engineered self-organizing systems, and examines ways to balance design and self-organization in the context of applications. As demonstrated in this second edition of *Advances in Applied Self-Organizing Systems*, finding this balance helps to deal with practical challenges as diverse as navigation of microscopic robots within blood vessels, self-monitoring

aerospace vehicles, collective and modular robotics adapted for autonomous reconnaissance and surveillance, self-managing grids and multiprocessor scheduling, data visualization and self-modifying digital and analog circuitry, intrusion detection in computer networks, reconstruction of hydro-physical fields, traffic management, immunocomputing and nature-inspired computation. Many algorithms proposed and discussed in this volume are biologically inspired, and the reader will also gain an insight into cellular automata, genetic algorithms, artificial immune systems, snake-like locomotion, ant foraging, birds flocking, neuromorphic circuits, amongst others. Demonstrating the practical relevance and applicability of self-organization, *Advances in Applied Self-Organizing Systems* will be an invaluable tool for advanced students and researchers in a wide range of fields.

OECD SCIENCE, TECHNOLOGY AND INDUSTRY SCOREBOARD 2007

OECD Publishing Explores recent developments in matters relating to science, technology, globalisation and industrial performance of OECD and major non OECD countries, bringing together over 200 graphs.

CORPORATE FINANCE

McGraw-Hill College

COMPOUND-NUCLEAR REACTIONS

PROCEEDINGS OF THE 6TH INTERNATIONAL WORKSHOP ON COMPOUND-NUCLEAR REACTIONS AND RELATED TOPICS CNR*18

Springer Nature The Compound-Nuclear Reaction and Related Topics (CNR*) international workshop series was initiated in 2007 with a meeting near Yosemite National Park. It has since been held in Bordeaux (2009), Prague (2011), Sao Paulo (2013), Tokyo (2015), and Berkeley, California (2018). The workshop series brings together experts in nuclear theory, experiment, data evaluations, and applications, and fosters interactions among these groups. Topics of interest include: nuclear reaction mechanisms, optical model, direct reactions and the compound nucleus, pre-equilibrium reactions, fusion and fission, cross section measurements (direct and indirect methods), Hauser-Feshbach theory (limits and extensions), compound-nuclear decays, particle and gamma emission, level densities, strength functions, nuclear structure for compound-nuclear reactions, nuclear energy, nuclear astrophysics, and other topics. This peer-reviewed proceedings volume presents papers and poster summaries from the 6th International Workshop on Compound-Nuclear Reactions and Related Topics CNR*18, held on September 24-28, 2018, at Lawrence Berkeley National Lab, Berkeley, CA.

BRITAIN, AUSTRALIA AND THE BOMB

THE NUCLEAR TESTS AND THEIR AFTERMATH

Springer *Britain, Australia and the Bomb* tells the story of the unique partnership between the two countries to develop nuclear weapons in the 1940s and 1950s. This

new edition includes fresh evidence about the weapons under development, the effects of the tests on participants, and the recent clean-up of the testing range.

THE BUTTERFLY DEFECT

HOW GLOBALIZATION CREATES SYSTEMIC RISKS, AND WHAT TO DO ABOUT IT

Princeton University Press The Butterfly Defect addresses the widening gap between the new systemic risks generated by globalization and their effective management. It shows how the dynamics of turbo-charged globalization has the potential and power to destabilize our societies. Drawing on the latest insights from a wide variety of disciplines, Ian Goldin and Mike Mariathan provide practical guidance for how governments, businesses, and individuals can better manage globalization and risk. Goldin and Mariathan demonstrate that systemic risk issues are now endemic everywhere—in supply chains, pandemics, infrastructure, ecology and climate change, economics, and politics. Unless we address these concerns, they will lead to greater protectionism, xenophobia, nationalism, and, inevitably, deglobalization, rising inequality, conflict, and slower growth. The Butterfly Defect shows that mitigating uncertainty and risk in an interconnected world is an essential task for our future.

OOGENESIS

THE UNIVERSAL PROCESS

John Wiley & Sons Oogenesis - the process by which female germ cells develop into mature eggs, or ova - is a complex process involving many important elements of developmental and cellular biology: from cell-cell interactions, complex signalling cascades, specialized cell cycles and cytoskeleton organization. Oocytes from various species (including clam, starfish, xenopus and mouse) are excellent model systems to study the biochemistry of cell division with important implications for basic and clinical research. This book describes the entire process of oogenesis in chronological order with contributions from leading international researchers and chapters covering medical and ethical considerations in oogenic biology. Topics include sex determination and gonadal development, control of meiotic chromosome pairing and homologous recombination, control of meiotic divisions and the remodelling of the oocyte into a totipotent zygote as well as medically-assisted reproduction. This volume is an essential resource for all students, researchers and clinicians in developmental and reproductive biology. Key features: Reaches beyond the study of simply meiosis to cover all aspects of oogenesis Synthesizes recent advances in the field, drawing on studies from different model species Chapter sequence designed to follow the time line in vivo Written by an international panel of expert researchers

MANAGEMENT OF INNOVATION AND PRODUCT DEVELOPMENT

INTEGRATING BUSINESS AND TECHNOLOGICAL PERSPECTIVES

Springer Presenting an integrated and holistic perspective on innovation management and product design and development, this monograph offers a unique and original understanding of how these two perspectives are interconnected. This book explores these themes in a scientifically rigorous manner, associating academic findings with examples from business. It provides readers with the conceptual and decision-making tools required to understand and manage the process of innovation at different levels, from the analysis of industry-wide phenomena to the formulation of a strategy and from the planning of operations to the management of technical choices. Chapters cover innovation as an economic and social phenomenon, the formulation of innovation strategy, the management of product development processes and projects and the technical design of products and services. Offering an invaluable resource to postgraduate students in economics, business and engineering, this book is also intended for managers and entrepreneurs.

GLOBAL ECONOMIC PROSPECTS 2007

MANAGING THE NEXT WAVE OF GLOBALIZATION

World Bank Publications Over the next 25 years developing countries will move to center stage in the global economy. *Global Economic Prospects 2007* analyzes the opportunities - and stresses - this will create. While rich and poor countries alike stand to benefit, the integration process will make more acute stresses already apparent today - in income inequality, in labor markets, and in the environment. Over the next 25 years, rapid technological progress, burgeoning trade in goods and services, and integration of financial markets create the opportunity for faster long-term growth. However, some regions, notably Africa, are at risk of being left behind. The coming globalization will also see intensified stresses on the "global commons." Addressing global warming, preserving marine fisheries, and containing infectious diseases will require effective multilateral collaboration to ensure that economic growth and poverty reduction proceed without causing irreparable harm to future generations."

ELECTRIC AND MAGNETIC GIANT RESONANCES IN NUCLEI

World Scientific This is the most recent and complete review on giant resonances in nuclei. It includes electric as well as magnetic collective states and a detailed discussion on the excitation mechanisms and the decay properties is given.

RADIOLOGICAL SAFETY REGULATIONS

HANDBOOK OF RESEARCH ON INNOVATION AND ENTREPRENEURSHIP

Edward Elgar Publishing This path-breaking Handbook analyses the foundations, social desirability, institutions and geography of innovation and entrepreneurship. Leading researchers use their outstanding expertise to investigate various aspects in the context of innovation and entrepreneurship such as growth, knowledge production and spillovers, technology transfer, the organization of the firm, industrial

policy, financing, small firms and start-ups, and entrepreneurship education as well as the characteristics of the entrepreneur. There is much in this Handbook that will prove to be informative and stimulating, especially for academics and post-graduate students in economics and management. Those starting a PhD in innovation or entrepreneurship will find this book essential reading.

THE TECHNOLOGY MANAGEMENT HANDBOOK

CRC Press If you are not already in a management position, chances are you soon will be. According to the Bureau of Statistics, the fastest growing areas of employment for engineers are in engineering/science management. With over 200 contributing authors, The Technology Management Handbook informs and assists the more than 1.5 million engineering managers in the practice of technical management. Written from the technical manager's perspective and written for technologists who are managers, The Technology Management Handbook presents in-depth information on the science and practice of management. Its comprehensive coverage encompasses the field of technology management, offering information on: Entrepreneurship Innovations Economics Marketing Product Development Manufacturing Finance Accounting Project Management Human Resources International Business

SHELTER AFTER DISASTER

POLISH SECURITIES

This book is a collection of the documentation of the long tradition and history of the Polish financial market. The graphic form of the colour illustrations of securities illustrate the multitude of businesses in the financial market.

WORLD INTELLECTUAL PROPERTY INDICATORS 2009

WIPO This publication is a successor to the World Patent Report. This report is the output of a continuing effort at WIPO to provide accurate and timely IP data that are freely and universally accessible.

MOUSE OOCYTE DEVELOPMENT

METHODS AND PROTOCOLS

Humana Press This book details methods on various aspects of the very final stages of mouse oocyte development. Chapters guide the reader through in vitro growth of follicles, production of a fully-grown competent mouse oocyte, meiosis resumption, analysis of spindle assembly and chromosome segregation, analysis of the oocyte and early embryo transcriptome. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and cutting-edge, Mouse Oocyte Development: Methods and Protocols aims to help scientists with the set up both live and fix experiments

required to study the process of oocyte meiotic maturation.

IDENTIFICATION OF CELLULAR AUTOMATA

CRC Press This book presents the foundation and development of the theory of cellular automata identification and its application to natural systems. It first sets out the known and proposes the new classes of cellular automata. Numerous examples are included for ease of understanding. It then deals with the designs of algorithms for cellular automata identification. Conceptual questions of automata theory are next addressed and the focus is shifted from synthesis to analysis and from pronostication to accurate factorization. Finally, the author discusses a number of naturally occuring specific instances with a view to expanding and transforming current ideas on cellular automata practice.

FUNDAMENTALS OF CORPORATE FINANCE

Fundamentals of Corporate Finance's applied perspective cements students' understanding of the modern-day core principles by equipping students with a problem-solving methodology and profiling real-life financial management practices-- all within a clear valuation framework. KEY TOPICS: Corporate Finance and the Financial Manager;Introduction to Financial Statement Analysis;The Valuation Principle: The Foundation of Financial Decision Making;The Time Value of Money;Interest Rates;Bonds;Valuing Stocks;Investment Decision Rules;Fundamentals of Capital Budgeting;Risk and Return in Capital Markets;Systematic Risk and the Equity Risk Premium;Determining the Cost of Capital;Risk and the Pricing of Options;Raising Equity Capital;Debt Financing;Capital Structure;Payout Policy;Financial Modeling and Pro Forma Analysis;Working Capital Management;Short-Term Financial Planning;Risk Management;International Corporate Finance; Leasing;Mergers and Acquisitions;Corporate Governance MARKET: Appropriate for Undergraduate Corporate Finance courses.

THE GREEN BOOK

APPRAISAL AND EVALUATION IN CENTRAL GOVERNMENT : TREASURY GUIDANCE

Stationery Office This new edition incorporates revised guidance from H.M Treasury which is designed to promote efficient policy development and resource allocation across government through the use of a thorough, long-term and analytically robust approach to the appraisal and evaluation of public service projects before significant funds are committed. It is the first edition to have been aided by a consultation process in order to ensure the guidance is clearer and more closely tailored to suit the needs of users.

THE MANUAL FOR THE HOME AND FARM PRODUCTION OF ALCOHOL FUEL

CONTEMPORARY APPROACHES IN EDUCATION AND COMMUNICATION

Peter Lang GmbH, Internationaler Verlag Der Wissenschaften This book presents a collection of papers written by educators and researchers. The topics include the analysis of social science textbooks, the teacher image in newspapers, the relationship between self-efficacy and cognitive level and the role of organizational silence on the loneliness of academics in work life.

SKILLS FOR GROWTH

THE NATIONAL SKILLS STRATEGY

Stationery Office Our economic recovery and long term prosperity depends on people who are not only highly skilled but also appropriately skilled for the changing economy. In this respect skills policy must be based on the twin objectives of wider and more flexible access to skills training and a greater focus on the evolving nature of the skills required for the modern world. This report outlines policy proposals in line with these objectives. The aspects covered include: Promoting skills for economic prosperity; expanding apprenticeships; responding to businesses and key sectors; equipping adults for future jobs; raising business investment in workforce productivity; improving training in a simpler system. The ultimate goal is that 'three-quarters of people should participate in higher education or complete an advanced apprenticeship or equivalent technician level course by the age of 30'