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Nordic consumers purchase 365 000 tonnes of new clothing and home textiles each year. After food, housing and mobility, textiles is our consumption area that causes most environmental impacts. Reusing and recycling used textiles can offset some of these impacts but with an increasing number of options available, government and business need more information to make decisions on which pathways to choose. The Nordic Council of Ministers commissioned a consortium to carry out an LCA study to compare the environmental benefits of treatment options. Reuse was found to give by far the greatest benefits, regardless of whether the textiles are reused in the waste hierarchy, recycling is a better environmental option than incineration, although the benefits are moderate compared to the benefits of reuse. The primary aim of the project was to estimate the environmental benefits of strategies for gathering and treating discarded textiles. As such this report presents only a fraction of the results of the LCA modelling. Hundreds of additional results can be found in a number of spreadsheets that can also be downloaded here.

This enlightening book brings together the work of gender and forestry specialists from various backgrounds and fields of research and action to analyse global gender conditions as related to forests. Using a variety of methods and approaches, they build on a spectrum of theoretical perspectives to bring depth and breadth to the relevant issues and address timely on tropical forests, the book presents both local case studies and global comparative studies from Africa, Asia, and Latin America, as well as the US and Europe. The studies range from personal histories of elderly American women's attitudes toward conservation, to a combined qualitative / quantitative international comparative study on REDD+, to a longitudinal examination of oil palm and gender roles over time in Kalimantan. Issues are examined across scales, from the household to the past to inform present and future considerations. The collection will be of relevance to academics, researchers,

Digitalisierung und die damit einhergehenden Veränderungen der Arbeitswelt stellen das Standardmodell der Beschäftigung als Basis von sozialen Sicherungssystemen zunehmend in Frage. Während sich eine wachsende Zahl an Veröffentlichungen mit deren Folgen für das Arbeitsrecht beschäftigen, bleibt bis heute das Sozialrecht weitgehend ausgeblendet. Das Buch schafft Abhilfe. Es beschäftigt sich mit den wichtigsten Herausforderungen für den sozialen Schutz durch Digitalisierung, dem Zugang zu Sicherungssystemen und deren Finanzierung am Beispiel der Plattformarbeit. Es gibt einen Überblick über nationale Lösungsansätze, analysiert dies in vergleichender Perspektive und stellt sie in einen transnationalen Kontext. Das Buch vereint Fallstudien aus Belgien, Italien, dem Vereinigten Königreich, den Niederlanden, Dänemark, Schweden, Spanien, Frankreich und Estland und behandelt die Herausforderungen, die Reformen für eine Standardsetzung auf EU-Ebene, für die Koordinierung innerhalb der EU und für ihr Verhältnis zum Steuerrecht ausgesetzt sind. Es vermittelt damit neue Einsichten, wie ein "Sozialrecht 4.0" aussehen sollte.

Including youth in the labour market is a major challenge facing many European countries. This book examines the transitions from education to employment with a focus on Nordic youth in the broader European context. The book combines insights from the social sciences and law by linking the challenges facing young people in general and the more specific barriers facing the more vulnerable groups of young people. Youth, Diversity and Employment provides original insights on the interdependencies or interaction between redistributive and regulatory social policies.

Reforms in Long-Term Care Policies in Europe

Strategy for Industrial Decarbonization

The Union Signal A Historical Reappraisal

International Workshops, PRIMA 2011, Wollongong, Australia, November 14, 2011, Revised Selected Papers

policy makers and advocates with different levels of familiarity with gender issues in the field of forestry.

Recent Advances in Cellular D2D Communications How Labor Market Distortions Contracted the Economy

This book constitutes the thoroughly refereed post-conference proceedings of the Third International ICST Conference on Personal Satellite Services, PSATS 2011, held in Malaga, Spain, in February 2011. The 33 revised full papers presented were carefully reviewed and selected and cover a wide range of topics such as multimedia IP, next generation satellite networks, bandwidth allocation, aeronautic communications for air traffic management, DVB-S2, hybrid networks, delay tolerant networking, channel estimation and interference management, satellite antenna design, and localization systems.

This book constitutes the refereed proceedings of the two workshops held at the 14th International Workshop on Multi-Agent Smart

Computing (MASmart 2011). The 8 papers presented were carefully reviewed and selected from various submissions. The papers cover topics from agent based simulation for a sustainable society and on multi-agent smart computing. This book constitutes the refereed proceedings of the 7th European Conference on Artificial Life, ECAL 2003, held in Dortmund, Germany in September 2003. The 96 revised full papers presented were carefully reviewed and self-organization, and self-

replication; artificial societies; cellular and neural systems; evolution and development; evolutionary and adaptive dynamics; languages and communication; methodologies and applications; and robotics and autonomous agents. In a world of increasing austerity measures, democratic politics comes under pressure. With the need to consolidate budgets and to accommodate financial markets, the responsiveness of government through elections and if a change in government cannot translate into different policies, democracy is incapacitated. Many mature democracies are approaching this situation as they confront fiscal crisis. For almost three decades, OECD countries have - in fits and starts - run deficits and accumulated debt. As a result, an ever smaller part of government revenue is available today for discretionary spending and social investment and whichever party comes into office will find its hands tied by past decisions. The current financial and fiscal crisis has exacerbated the long-term shrinking government discretion; projects for political change have lost credibility. Many citizens are aware of this situation: they turn away from party politics and stay at home on Election Day. With contributions from leading scholars in the forefront of sociology, politics and economics, this timely book will be of great interest to students and scholars throughout the social sciences as well as general readers.

Mental Health and Work: Sweden The Nation

Politics in the Age of Austerity

Tourism Destination Development Third International ICST Conference, PSATS 2011, Malaga, Spain, Februrary 17-18, 2911, Revised Selected Papers

Machine Learning and Knowledge Discovery in Databases, Part II

Start with Why Redistribution, or subsidies and regulations intended to help the poor, unemployed, and financially distressed, have changed in many ways since the onset of the recent financial crisis. The unemployed, for instance, can collect benefits longer and can receive bonuses, health subsidies, and tax deductions, and millions more people have became eligible for food stamps. Economist Casey B. Mulligan argues that while many of these changes were intended to help people endure economic events and boost the economy, they had the unintended consequence of deepening-if not causing-the recession. By dulling incentives for people to maintain their own living standards, redistribution created employment losses according to age, skill, and family composition. Mulligan explains how elevated tax rates and binding minimum-wage laws reduced labor usage, consumption, and investment, and how they increased labor productivity. He points to entire industries that slashed payrolls while experiencing little or no decline in production or revenue, documenting the disconnect between employment and production that occurred during the recession. The book provides an authoritative, comprehensive economic analysis of the marginal tax rates implicit in public and private sector subsidy programs, and uses quantitative measures of incentives to work and

their changes over time since 2007 to illustrate production and employment patterns. It reveals the startling amount of work incentives eroded by the labyrinth of new and existing social safety net program rules, and, using prior results from labor economics and public

finance, estimates that the labor market contracted two to three times more than it would have if redistribution Recession, Casey B. Mulligan offers hard evidence to contradict the notion that work incentives suddenly stop mattering during a recession or when interest rates approach zero, and offers groundbreaking interpretations and precise explanations of the interplay between unemployment and financial markets. Presenting the policy drivers, benefits and challenges for grid integration of electric vehicles (EVs) in the open electricity market environment, this book provides a comprehensive overview of existing electricity markets and demonstrates how EVs are integrated into these different markets and power systems. Unlike other texts, this book analyses EV integration in parallel with electricity market and distribution system operator (DSO) market design is covered, with up-to-date case studies and examples to help readers carry out similar projects across the world. With in-depth analysis, this book describes: the impact of EV charging and discharging on transmission and distribution networks marketdriven EV congestion management techniques, for example the day-ahead tariff based congestion management with the fleet operator concept and smart charging management EV battery technology, modelling and tests the use of EVs for balancing power fluctuations from renewable energy sources, looking at power regulation and voltage support An accessible technical book for power engineers and grid/distributed systems operators, this also serves as a reference text for researchers in the area of EVs and power systems. It provides distribution companies with the knowledge they need when facing the challenges introduced by large scale EV deployment, and

and graduate students in power systems; it will also appeal to EV manufacturers, regulators, EV market professionals, energy providers and traders, mobility providers, EV charging station companies, and policy makers. The countryside has often been marginalised in discussions of economic and societal development, in favour of the urban. This book aims to stimulate a debate and a re-evaluation of how the concepts of the rural, peripheral and marginal are treated in academia and policy. Approaching this theme from geographic, demographic and economic perspectives, Peter de Souza makes a compelling case for giving the periphery a prominent role as an integral part of a holistic and balanced society. The book carefully deconstructs the concept of the urban, and critiques the idea of urban-rural or centre-periphery comparisons, and presents an alternative approach to spark future discussions. The Rural and Peripheral in Regional Development will be of interest to those studying and researching in the areas of rural economics,

demonstrates how transmission system operators (TSOs) can develop the existing system service market in order to fully utilize the potential of EV flexibility. With thorough coverage of the technologies for EV integration, this volume is informative for research professors

Over the last two decades, many changes have happened to the social welfare policies of various industrial countries. Citizens have seen their pensions, unemployment benefits, and general healthcare policies shrink as "belt tightening" measures are enforced. But in contrast, long-term care has seen a general growth in public financing, an expansion of beneficiaries, and, more generally, an attempt to define larger social responsibilities and related social rights. The aim of this book is to describe and interpret the changes introduced in long-term care policies in Western Europe. The volume argues that recent reforms have developed a new general approach to long-term care, based on a better integration of social care and health care. The book explores increasing public support given to family care work (in the past, the family would take care of the elderly or infirm) and increasing growth and recognition of a extended social care market (by which care has shifted from a moral obligation based on family reciprocity to a paid, professional activity). A new social care arrangement has therefore been developing in Western countries, based on a new mix of family obligations, market provision, and public support. In order to understand such changes, this analysis will take into account the social and economical impact of these reforms.

Agent Based Simulation for a Sustainable Society and Multiagent Smart Computing

sustainability and development, as well as those involved in rural policymaking.

Hybrid Energy Systems

The Haves and the Have-Nots Grid Integration of Electric Vehicles in Open Electricity Markets

Emergency Department Critical Care

The Economic Crisis and the Future for Gender Equality

Dual language education is a program that combines language minority and language majority students for instruction through two languages. This book provides the conceptual background for the program and discusses major implementation issues. Research findings summarize language proficiency and achievement outcomes from 8000 students at 20 schools, along with teacher and parent attitudes.

This three-volume set LNAI 6911, LNAI 6912, and LNAI 6913 constitutes the refereed proceedings of the European conference on Machine Learning and Knowledge Discovery in Databases: ECML PKDD 2011, held in Athens, Greece, in September 2011. The 121 revised full papers presented together with 10 invited talks and 11 demos in the three volumes, were carefully reviewed and selected from about 600 paper submissions. The papers address all areas related to machine learning with some innovative contributions in fundamental issues; dimensionality reduction, distance and similarity learning, model learning and matrix/tensor analysis; graph mining, graphical models, hidden markov models, kernel methods, active logic programming, and statistical learning, and statistical learning, and statistical learning, mining sparse representations, model learning, mining sparse representations, models, kernel methods, active and ensemble learning, and statistical learning, and statistical learning, and statistical learning, mining sparse representations, models, kernel methods, active and timely applications of data mining and machine learning in industrial domains.

This book explores the normative and legal evolution of the Social Dimension - labour law, social security law and its emphasis on fundamental rights, a new coordination regulation within the field of social security (Regulation 883/2004/EC), and the case law of the Court of Justice of the European Union in the so-called Laval Quartet. Furthermore structural changes affecting demographics and family have also challenged solidarity in new ways. The book is organised by reference to distinct 'normative patterns' and their development in the fields of law covered, such as the protection of established groups, the position of market functional values and the scope for just distribution. The book represents an innovative and important interdisciplinary approach to analysing EU law and Social Europe, and contributes a complex, yet thought-provoking, picture for the future. The contributors represent an interesting mix of well-known and distinguished as well as upcoming and promising researchers throughout Europe and beyond. Although blurred and heavily contested, the concept of 'tourist destination' still deserves careful attention. Despite its unstable characteristics, 'destination' is a central and meaningful term in play among all parties in the field of tourism, including tourists, tourism operators, and politicians, as well as students and tourism scholars. This anthology draws on different

approaches and discourses of tourism destination development, while focusing on how they are shaped and reshaped and resha territorial, but at the same time socially constructed; how production of touristic brands and images are vital, but contested. Such tensions are unfolded through paradigmatic discussions and a series of case studies from the northern hemisphere. The chapters in the book investigate how destination development is catalysed through theming, how changing environments lead to reorientations, and how destinations are political. Altogether, the book provides experts and students with an up-to-date theoretical and empirical insight into tourist destinations. The Rural and Peripheral in Regional Development

North Sea Region Climate Change Assessment

Specifying and Securing a Social Minimum in the Battle Against Poverty Women and Austerity

LCA of different treatment pathways Investigating Institutional Change and Social Impacts

A Brief and Idiosyncratic History of Global Inequality Holger Syme presents a radically new explanation for the theatre's importance in Shakespeare's time. He portrays early modern England as a culture of mediation, dominated by transactions in which one person stood in for another, giving voice to absent speakers or bringing past events to life. No art form related more immediately to this culture than the theatre. Arguing against the influential view that the period underwent a crisis

of representation, Syme draws upon extensive archival research in the fields of law, demonology, historiography and science to trace a pervasive conviction that testimony and report, delivered by properly authorised figures, provided access to truth. Through detailed close readings of plays by Ben Jonson and William Shakespeare - in particular Volpone, Richard II and The Winter's Tale - and analyses of criminal trial procedures, the book constructs a revisionist account of the nature of representation on the early modern stage. Winner of the 2010 National Book Critics Circle Award for Biography How to get along with people, how to deal with violence, how to adjust to losing someone you love—such question obsessed Renaissance writers, none more than Michel Eyquem de Monatigne, perhaps the first truly modern individual. A nobleman, public official and wine-grower, he wrote free-roaming explorations of his thought and experience, unlike anything written before. He called them "essays," meaning "attempts" or "tries." Into them, he put whatever was in his head: his tastes in wine and food, his childhood memories, the way his dog 's ears twitched when it was dreaming, as well as the appalling events of the religious civil wars raging around him. The Essays was an instant bestseller and, over four hundred years later, Montaigne 's honesty and charm still draw people to him. Readers come in search of the questions he posed and the answers he explored. It

This book offers an up-to-date review of our current understanding of climate change in the North Sea and adjacent areas, as well as its impact on ecosystems and socio-economic sectors. It provides a detailed assessment of climate change based on published scientific work compiled by independent international experts from climate-related disciplines such as oceanography, atmospheric sciences, marine and terrestrial ecology, using a regional evaluation and review process similar to that of the Intergovernmental Panel on Climate change of topics including past, current and future climate change in marine, terrestrial and freshwater ecosystems. It also explores the impact of climate change on socio-economic sectors such as fisheries, agriculture, coastal zone management, coastal protection, urban climate, recreation/tourism, offshore activities/energy, and air pollution. Each day, in so many aspects of daily life, we are reminded of the significance of migration and ethnicity, from a Swedish vantage point looking outwards towards a European context. It presents current academic debates and gives a theoretical overview of nine key concepts in the field of ethnic and migrations studies, but it also

exemplifies how these concepts could be used in analysing specific empirical cases. It explores the following concepts: ethnicity; migration; diaspora; citizenship; intersectionality; racism; right wing populism; social exclusion; and informalisation. The book is interdisciplinary, embracing areas such as labour studies, economic history, ethnicity, business administration, gender studies, literature studies, economics, educational science, social anthropology, social work, sociology and political science.

traces his bizarre upbringing, youthful career and sexual adventures, his travels, and his friendships with the scholar and poet Étienne de La Boétie and with his adopted "daughter," Marie de Gournay. And we also meet his readers—who for centuries have found in Montaigne an inexhaustible source of answers to the haunting question, "how to live?"

Social Law 4.0 A Culture of Mediation

The Archaeological and Historical Context of Viking-Age Silver Coin Deposits in the Baltic c. 800–1050 7th European Conference, ECAL 2003, Dortmund, Germany, September 14-17, 2003, Proceedings

Youth, Diversity and Employment Viking Silver, Hoards and Containers

Gender and Forests

European countries work together in crisis management, conflict prevention and many other aspects of security and defence policy. Closer cooperation in this policy arena seems to be the only viable way forward to address contemporary security challenges. Yet, despite the repeated interaction, fundamental assumptions about security and defence remain remarkably distinct across European nations. This book offers a comparative analysis of the security and defence policies of all 27 EU member states and Turkey, drawing on the concept of 'strategic culture', in order to examine the chances and obstacles for closer security and defence cooperation across the continent. Along the lines of the current security and defence policies in Europe as well as their historical and cultural roots. This report on Sweden looks at how the broader education, health, social and labour market policy challenges are being tackled.

Hybrid Energy Systems: Strategy for Industrial Decarbonization demonstrates how hybrid energy and processes can decarbonize energy and processes in nine major industry sectors and discusses how hybrid energy can offer sustainable solutions in each. Introduces the basics and examples of hybrid energy systems Examines hybrid energy and processes in coal, oil and gas, nuclear, building, vehicle, manufacturing and industrial processes, computing and portable electronic, district heating and cooling, and water sectors Shows that hybrid processes can improve efficiency and that hybrid energy can effectively insert renewable fuels in the energy industry Serves as a companion text to the author's book Hybrid Power: Generation, Storage, and Grids Written for advanced students, researchers, and industry professionals involved in energy-related processes and plants, this book offers latest research and practical strategies for application of the innovative field of hybrid energy. Austerity has become the new principle for public policy in Europe and the US as the financial crisis of 2008 has been converted into a public debt crisis. However, current austerity measures risk losing past progress towards gender equality by undermining important employment and social

welfare protections and putting gender equality policy onto the back burner. This volume constitutes the first attempt to identify how the economic crisis and the subsequent austerity policies are affecting women in Europe and the US, tracing the consequences for gender equality in employment and welfare systems in nine case studies from countries facing the most severe adjustment problems. The contributions adopt a common framework to analyse women in recession, which takes into account changes in women's position and current austerity conditions. The findings demonstrate that in the immediate aftermath of the financial crisis, employment gaps between women and men declined — but due only to a deterioration in men's employment position rather than any improvements for women. Tables are set to be turned by the austerity policies which are already having a more negative impact on demand for female labour and on access to services which support working mothers. Women are nevertheless reinforcing their unpaid domestic labour. Future prospects are bleak. Current policy is reinforcing the same failed mechanisms that caused the crisis in the first place and is stalling or even reversing the long term growth in social investment in support for care. This book makes the case for gender equality to be placed at the centre of any progressive plan for a route out of the crisis. A Journal of Social Welfare Dual Language Education

International Symposium, ISIA 2010, Guangzhou, China, November 10-11, 2010. Revised Selected Papers Gaining benefits from discarded textiles

European Conference, ECML PKDD 2010, Athens, Greece, September 5-9, 2011, Proceedings, Part II

Reform Capacity and Macroeconomic Performance in the Nordic Countries Turns and Tactics

This comprehensive book provides practical guidance on the care of the critical patient in the emergency department. It focuses on the ED physician or provider must evaluate and stabilize critically ill and injured patients alone. Structured in an easily accessible format, chapters present fundamental information in tables, bullet points, and flow diagrams. Emergency medicine scenarios covered across 38 chapters include acute respiratory failure, spinal cord Injuries, seizures and status epilepticus, care of the newborn, and end-of-life care. Written by experts in the field, Emergency physicians, advance practice nurses, and physician's assistants who provide care in emergency departments and urgent care centers. Grid Integration of Electric Vehicles in Open Electricity MarketsJohn Wiley & Sons The inspirational bestseller that ignited a movement and asked us to find our WHY Discover the book that is captivating millions on TikTok and that served as the basis for one of the most popular TED Talks of all time—with more than 56 million views and counting. Over a decade ago, Simon Since then,

millions have been touched by the power of his ideas, and these ideas remain as relevant and timely as ever. START WITH WHY asks (and answers) the questions: why are some people and organizations more innovative, more influential, and more profitable than others? Why do some command greater loyalty from customers and employees alike? Even among the successful, why are so few able to repeat their success over and over? People like Martin Luther King Jr., Steve Jobs, and the Wright Brothers had little in common, but they all started with WHY shows that the leaders who have had the greatest influence in the world all think, act and communicate the same way—and it's the opposite of what everyone else does. Sinek calls this powerful idea The Golden Circle, and it provides a framework upon which organizations can be built, movements can be led, and people can be inspired. And it all starts with WHY. The outbreak of the financial crisis in 2008 has had significant effects on economic activity, unemployment, and public finances for all European countries. However, European economic and political models and circumstances operate across the continent. This book focuses on

the Nordic countries (Denmark, Finland, Iceland, Norway, and Sweden) which have a relatively good record of undertaking fiscal and structural reforms after their own financial and debt crises in the 1980s and 1990s. The Nordic countries are small and open economies, well-known for their high income levels, high employment rates, organized labour markets, a relatively equal distribution of incomes, and large public sectors. From this perspective, the book asks whether there are lessons that might be learned from the Nordic economies. Is there a distinctive Nordic model that could be usefully followed, by other small open economies, in terms of a common set of policies. Since the key characteristics, including the overarching objectives and supporting institutions, have strong historical foundations, copying and pasting them to other countries is not easily done. Even though the Nordic experiences are not directly transferable, they may add new knowledge about the importance of institutional design, fiscal consolidation, and structural reforms not only for macroeconomic performance but also for how to preserve key objectives such as social balance and equity.

The Redistribution Recession Children Listen: Psychological and Linguistic Aspects of Listening Difficulties During Development Innovating Strategies and Solutions for Urban Performance and Regeneration

Next Generation Mobile Broadcasting Climate Change, Tenure, Value Chains and Emerging Issues

Normative Patterns and Legal Developments in the Social Dimension of the EU

This book is a printed edition of the Special Issue "Recent Advances in Cellular D2D Communications" that was published in Future Internet

This book constitutes the refereed proceedings of the International Symposium on Information and Automation, ISIA 2010, held in Guangzhou, China, in November 2010. The 110 revised full papers presented were carefully reviewed and selected from numerous submissions. The symposium provides a forum for researchers, educators, engineers, and government officials to present and discuss their latest research results and exchange views on the future research directions in the general areas of Information and Automation. A leading economist at the World Bank's research division traces the history of financial inequality as reflected in famous stories, analyzing such examples as the monetary disparities between Elizabeth Bennet and Mr. Darcy and the assets of wealthy ancient Romans compared to today's super-

This book addresses a topic that is currently high on the agenda in many fora: how to specify and secure a social minimum. The term 'social minimum' has different meanings, depending on the contexts are examined in this book from different perspectives, including law, sociology, philosophy, politics and economics. In the first part, the social minimum is discussed from a conceptual and theoretical point of view. The second part shows the various ways in which the social minimum can be specified and measured. There is a need for new indicators that take into account, for instance, aspects of adequate social participation. As this part shows, the choice of indicators is closely intertwined with political choices. The third part approaches the social minimum from the perspective of legal obligations, addressing the nature of different obligations imposed on individuals and states. The fourth part deals with the question of social minimum in the context of courts, adjudication and justiciability. The role of international treaties and national constitutions - the interpretation of the rights they enshrine and the way these are dealt with by expert committees and courts - is discussed with a view to understanding how the quarantee of a social minimum can be promoted within individual countries. Besides being of interest for academics in fields ranging from legal theory and human rights to the social sciences, the book also serves as an important source for students as well as practitioners interested in the social minimum, and anyone who wants to gain an insight into the current debates on this extremely important issue.

How Great Leaders Inspire Everyone to Take Action Or A Life of Montaigne in One Question and Twenty Attempts at an Answer

The Atlantic Pact forty Years later Comparative Perspectives on Labour Market Policies

How to Live New Approaches for Ensuring and Financing Social Security in the Digital Age

The Congressional Globe It is widely accepted that the Viking Age (c. 800-1050) stimulated the development of long-distance, regional and local trade and exchange networks. The clearest archaeological evidence for these contacts is mainly in the form of silver artefacts predominantly found in hoards in Northern and

Central Europe - the Baltic zone. However, beyond occasional national- or regional-level research, there have been no attempts at a historically guided comparative archaeological survey of the Baltic zone as a whole. By investigating silver hoards and the context of their deposition, Viking Silver, Hoards and Containers seeks to understand the variety of functions performed by hoards; the differences in function of emporia. It also examines the extent to which the findings mesh with literary evidence and the nature of the different societies benefiting from the influx of silver in the Viking Age. Crucially, the book features a catalogue, which provides a thorough overview and update of Baltic-zone hoards. Viking Silver, Hoards and Containers is intended for use by students of, and specialists in, early medieval, Viking and Slavic history and archaeology. However, it will also be a useful teaching resource for other general courses in archaeology, anthropology and material culture, numismatics, economic history, religious studies, GIS and statistics. This book focuses on enhancing urban regeneration performance and strategies that pave the way toward sustainable urban development models and solutions. The book at hand thoroughly examines the latest studies on the regeneration of urban areas and attempts at alleviating the negative impacts associated with high population density and urban heat effects. It gathers contributions that combine theoretical reflections and internation with the single goal of tackling existing social and economic imbalances and developing new

solutions. The primary audience of this book will be from the field of architecture and urban planning, offering new insights on how to address the myriad of problems that our cities are facing. Next Generation Mobile Broadcasting provides an overview of the past, present, and future of mobile broadcasting technologies currently available. This part covers the evolutions of the Japanese mobile broadcasting standard ISDB-T One-Seg, ISDB-Tmm and ISDB-TSB; the evolution of the South Korean T-DMB mobile broadcasting technologies DTMB and CMMB; second-generation digital terrestrial TV European standard DVB-T2 and its mobile profile T2-Lite; and the multicast/broadcast extension of 4G LTE cellular standard E-MBMS. This part includes a chapter about a common broadcast specification of state-of-the-art 3GPP and DVB standards to provide a broadcast overlay optimized for mobile and operated in conjunction with a broadband unicast access. It also contains an overview chapter on a new High-Efficiency Video Coding (HEVC) standard that is expected to provide significantly improved coding efficiency compared to current MPEG-4 AVC video coding. The

second part of the book-Next-Generation Handheld DVB Technology: DVB-NGH -describes the latest mobile broadcast technology known as Digital Video Broadcasting-Next-Generation Handheld (DVB-NGH), which is expected to significantly outperform all existing technologies in both capacity and coverage. DVB-NGH introduces new technological solutions that along with the high performance of DVB-T2 make DVB-NGH can be regarded as the first 3G broadcasting system because it allows for the possibility of using multiple input multiple output MIMO antenna schemes to overcome the Shannon limit of single antenna wireless communications. DVB-NGH also allows the deployment of an optional satellite component forming a hybrid terrestrial-satellite network topology to improve coverage in rural areas where the installation of terrestrial networks is economically unfeasible. Although the commercial deployment of DVB-NGH is nowadays unclear after its standardization, it will be a reference point for future generations of digital terrestrial television technologies. Edited by a member of the DVB-NGH standardization group, the book includes contributions from a number of standardization groups worldwide-including Digital Video Broadcasting (DVB) in Europe; Advanced Television Systems Committee (ATSC) in the US, Korea, Japan, and China; Third Generation Partnership Project (3GPP); and the Moving Picture Experts Group (MPEG)

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Information and Automation International Migration and Ethnic Relations

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Security and Defence Policies Across the Continent Advances in Artificial Life Personal Satellite Services An Alternative Perspective

Strategic Cultures in Europe