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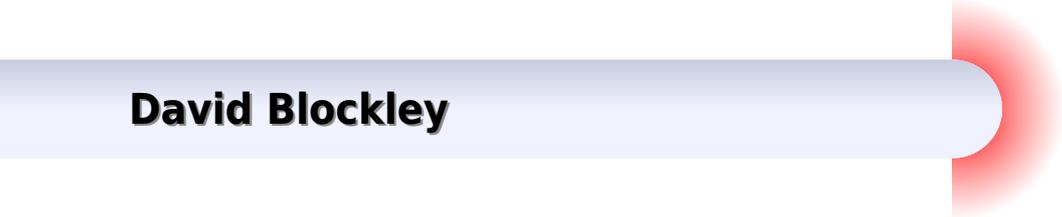
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    Service-Oriented and Cloud Computing Kyriakos Kritikos,Pierluigi Plebani,Flavio de Paoli,2018-09-03 This book constitutes the refereed proceedings of the 7th IFIP WG 2 14 European Conference on Service Oriented and Cloud Computing ESOCC 2018 held in Como Italy in September 2018 The 10 full and 5 short papers presented in this volume were carefully reviewed and selected from 32 submissions The volume also contains one invited talk in full paper length The main event mapped to the main research track which focused on the presentation of cutting edge research in both the service oriented and cloud computing areas In conjunction an industrial track was also held attempting to bring together academia and industry through showcasing the application of service oriented and cloud computing research especially in the form of case studies in the industry   Digital Transformation Reimund Neugebauer,2019-05-14 With the exception of written letters and personal conversations digital technology forms the basis of nearly every means of communication and information that we use today It is also used to control the essential elements of economic scientific and public and private life security production mobility media and healthcare Without exaggerating it is possible to say that digital technology has become one of the foundations of our technologically oriented civilization The benefits of modern data technology are so impressive and the potential for future applications so enormous that we cannot fail to promote its development if we are to retain our leading role in the competitive international marketplace In this process security plays a vital role in each of the areas of application of digital technology the more technological sectors are entrusted to data systems technology the more important their reliability becomes to us Developing digital systems further while simultaneously ensuring that they always act and respond in the best interests of people is a central goal of the technological research and development propagated and conducted by Fraunhofer   International Migration and Citizenship Today Niklaus Steiner,2023-03-17 This completely revised and updated textbook explores the moral economic political and cultural dimensions of the movement of people across international borders In style and substance it is designed to spark thoughtful discussions and to challenge readers to draw their own conclusions to questions such as how should democracies balance the rights of immigrants with those of citizens What exactly constitutes persecution and how should we define a refugee How should democracies allocate citizenship Can and should a distinction be made between voluntary and forced migration and does one group of migrants deserve admission more than the other What does a reasonable border policy look like The rise of populism the vote for Brexit and the unprecedented flow of refugees around the world are all evidence that these questions remain highly salient controversial and unresolved The content has been thoroughly updated to cover Migration into Europe since 2015 Climate

change as a driver of migration and the concept of environmental refugees Unaccompanied minors fleeing gang violence asylum for victims of domestic violence family separation policies and the building of a wall on the U S Mexican border The controversies surrounding the Danish cartoons Charlie Hebdo and hijabs as examples of the tensions in liberal democracies between free speech individual freedom religious expressions and minority rights The Dream Act and Deferred Action for Childhood Arrivals DACA Demographic shifts and the debates around multiculturalism and diversity Guest worker programs as alternatives to admitting immigrants Intended as the main text for undergraduate classes on international migration the book will also appeal to broad survey courses on world politics comparative politics international relations global history and more specialized courses on human rights citizenship and nationalism   **8 Billion and Counting** Jennifer D. Sciubba,2022-03-29 A provocative description of the power of population change to create the conditions for societal transformation As the world nears 8 billion people the countries that have led the global order since World War II are becoming the most aged societies in human history At the same time the world s poorest and least powerful countries are suffocating under an imbalance of population and resources In 8 Billion and Counting political demographer Jennifer D Sciubba argues that the story of the twenty first century is less a story about exponential population growth as the previous century was than it is a story about differential growth marked by a stark divide between the world s richest and poorest countries Drawing from decades of research policy experience and teaching Sciubba employs stories and statistics to explain how demographic trends like age structure and ethnic composition are crucial signposts for future violence and peace repression and democracy poverty and prosperity Although we have a diverse global population demographic trends often follow predictable patterns that can help professionals across the corporate nonprofit government and military sectors understand the global strategic environment Through the lenses of national security global health and economics Sciubba demonstrates the pitfalls of taking population numbers at face value and extrapolating from there Instead she argues we must look at the forces in a society that amplify demographic trends and the forces that dilute them particularly political institutions or the rules of the game She shows that the most important skills in demographic analysis are naming and being aware of your preferences rethinking assumptions and asking the right questions Provocative and engrossing 8 Billion and Counting is required reading for business leaders policy makers and anyone eager to anticipate political economic and social risks and opportunities A deeper understanding of fertility mortality and migration promises to point toward the investments we need to make today to shape the future we want tomorrow   *From AI to Robotics* Arkapravo Bhaumik,2018-02-28 From AI to Robotics Mobile Social and Sentient Robots is a journey into the world of agent based robotics and it covers a number of interesting topics both in the theory and practice of the discipline The book traces the earliest ideas for autonomous machines to the mythical lore of ancient Greece and ends the last chapter with a debate on a prophecy set in the apparent future where human beings and robots technology may merge to create superior beings the era of transhumanism

Throughout the text the work of leading researchers is presented in depth which helps to paint the socio economic picture of how robots are transforming our world and will continue to do so This work is presented along with the influences and ideas from futurists such as Asimov Moravec Lem Vinge and of course Kurzweil The book furthers the discussion with concepts of Artificial Intelligence and how it manifests in robotic agents Discussions across various topics are presented in the book including control paradigm navigation software multi robot systems swarm robotics robots in social roles and artificial consciousness in robots These discussions help to provide an overall picture of current day agent based robotics and its prospects for the future Examples of software and implementation in hardware are covered in Chapter 5 to encourage the imagination and creativity of budding robot enthusiasts The book addresses several broad themes such as AI in theory versus applied AI for robots concepts of anthropomorphism embodiment and situatedness extending theory of psychology and animal behavior to robots and the proposal that in the future AI may be the new definition of science Behavior based robotics is covered in Chapter 2 and retells the debate between deliberative and reactive approaches The text reiterates that the effort of modern day robotics is to replicate human like intelligence and behavior and the tools that a roboticist has at his or her disposal are open source software which is often powered by crowd sourcing Open source meta projects such as Robot Operating System ROS etc are briefly discussed in Chapter 5 The ideas and themes presented in the book are supplemented with cartoons images schematics and a number of special sections to make the material engaging for the reader Designed for robot enthusiasts researchers students or the hobbyist this comprehensive book will entertain and inspire anyone interested in the exciting world of robots   **Rethinking Project Management for a Dynamic and Digital World** Darren Dalcher,2022-01-25 Although project management is a newly recognised profession it deals with a number of significant challenges We seem to operate in an unprecedented environment rife with change innovation and turbulence Moreover projects by their very nature tend to push boundaries encourage novelty and demand engagement with the uncertain and the unknown Indeed projects reflect our organised impulse to constantly amend shape improve and refine our context So how can future projects overcome the challenges Rethinking Project Management for a Dynamic and Digital World makes a powerful and original statement equipping project leaders and managers with new approaches and frameworks for an increasingly demanding world where the traditional methods models and mindsets no longer suffice The book explores new trends promising ideas and novel concepts and distils the fundamentals for marshalling a world concerned with people communities and value by deploying innovation rethinking purpose and acting responsibly An increasingly borderless upwardly mobile and entrepreneurial society requires a revamped and revitalised project perspective that is more dynamic adaptive and reflective This volume brings together some of the best writing by leading authorities on many key topics including benchmarking lean quality communicating teams and teamwork followership organising for project work project frameworks agile working project portfolios strategic initiatives strategic alignment trust entrepreneurship putting people

first social processes positive organisations rethinking progress the hacker paradigm community stewardship and knowledge management The collection thus offers an invaluable new resource for informed managers looking to engage with the latest thinking and research and for researchers seeking to reflect on how the discipline is changing *The British National Bibliography* Arthur James Wells,2009 *Aerospace Engineering* John Baker,2026-08-27 This Very Short Introduction provides an overview of the concepts involved in the creation of systems that fly Among the topics discussed are aerodynamics aircraft structures and materials aircraft propulsion flight mechanics and stability and control

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web in the filters named adaptive filters and the filter transfer function is implemented with an algorithm called the least mean square algorithm this paper describes the detailed working of the least mean square algorithm and its simulation in matlab keywords lms algorithm adaptive filters beamforming lms algorithm wiener filter 1

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web description the lms filter block can implement an adaptive fir filter by using five different algorithms the block estimates the filter weights or coefficients needed to minimize the error e n between the output signal y n and the desired signal d n the output is the filtered input signal which is the estimate of the desired signal

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web introduction due to their many good performance characteristics adap tive lters have been satisfactorily used for canceling unknown interferences contained in the relevant signal of a wide range of dynamic systems for many years

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