

Hitachi Mgi Tech

Today's unprecedented growth of data and their ubiquity in our lives are signs that the data revolution is transforming the world. And yet much of the value of data remains untapped. Data collected for one purpose have the potential to generate economic and social value in applications far beyond those originally anticipated. But many barriers stand in the way, ranging from misaligned incentives and incompatible data systems to a fundamental lack of trust. World Development Report 2021: Data for Better Lives explores the tremendous potential of the changing data landscape to improve the lives of poor people, while also acknowledging its potential to open back doors that can harm individuals, businesses, and societies. To address this tension between the helpful and harmful potential of data, this Report calls for a new social contract that enables the use and reuse of data to create economic and social value, ensures equitable access to that value, and fosters trust that data will not be misused in harmful ways. This Report begins by assessing how better use and reuse of data can enhance the design of public policies, programs, and service delivery, as well as improve market efficiency and job creation through private sector growth. Because better data governance is key to realizing this value, the Report then looks at how infrastructure policy, data regulation, economic policies, and institutional capabilities enable the sharing of data for their economic and social benefits, while safeguarding against harmful outcomes. The Report concludes by pulling together the pieces and offering an aspirational vision of an integrated national data system that would deliver on the promise of producing high-quality data and making them accessible in a way that promotes their safe use and reuse. By examining these opportunities and challenges, the Report shows how data can benefit the lives of all people, particularly poor people in low- and middle-income countries. .

In today's fast-paced, competitive environment, technology can no longer only be the province of engineers and R&D managers: it must become a central component of the strategy-making process. Accordingly, this book seeks to facilitate the integration of technological concerns into the business strategies of organizations. Richly illustrated with many case examples drawn from the authors' experiences, both in the US and Europe, the book takes a distinctly global perspective on the subject. It addresses the economic, organizational, as well as cultural implications of technology, . Of great value to lecturers and students of strategic management, business policy, engineering management and management of technology, as well as practitioners who require a broad global picture of the area, it blends European and American perspectives, provides comprehensive coverage, and provides an integrated perspective.

Digitalization is changing nearly everything. This compendium highlights a comprehensive understanding of the concepts and technologies about digitalization in industrial environments, using the Industrial Internet of Things, Digital Twins and data-driven decision-making approaches including Artificial Intelligence. The overview of industrial enterprise platforms and the consideration of future trends gives a fundamental idea of concepts and strategies, how to get started and about the required changes of business models.

PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

This book combines extracts from major cases and secondary materials with critical commentary to provide a complete resource for undergraduate and postgraduate students of intellectual property law. All areas of intellectual property law in the UK are covered: copyright, trade marks and passing off, confidential information, industrial designs, patent, procedure and enforcement. This book also tackles topical areas, such as the application of intellectual property law to new technologies and character merchandising. While the focus of the book is on intellectual property law in a domestic context, it provides international, EU and comparative law perspectives on major issues. It also addresses the wider policy implications of legislative and judicial developments in the area.

Every day, an increasing amount of our movements, transactions, and choices are becoming digitized and stored up into what has become known as "big data"--revolutionizing the way we do business today. And it's all there for your company to strategically utilize for giant profits! But where to begin? Think Bigger provides a roadmap for organizations looking to develop a profitable big data strategy. Sharing best practices from companies that have implemented a big data strategy including Walmart, InterContinental Hotel Group, Walt Disney, and Shell, this must-have resource for any business not wanting to fall far behind the competition covers the most important big data trends affecting organizations, as well as crucial types of analyses. Big data is changing the way businesses--and even governments--are operated and managed. And now, you too can revolutionize your business by learning how to properly employ the vast amount of digitalized information that is already available to you.

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

Forest tree improvement has mainly been implemented to enhance the productivity of artificial forests. However, given the drastically changing global environment, improvement of various traits related to environmental adaptability is more essential than ever. This book focuses on genetic information, including trait heritability and the physiological mechanisms thereof, which facilitate tree improvement. Nineteen papers are included, reporting genetic approaches to improving various species, including conifers, broad-leaf trees, and bamboo. All of the papers in this book provide cutting-edge genetic information on tree genetics and suggest research directions for future tree improvement.

BTEC First ICT Practitioners is a key new course book for the 2006 BTEC First ICT Practitioner schemes from Edexcel. Full coverage is given to the core units of the Certificate and Diploma (units 1 and 2)

and to selected specialist units: * Using ICT to Present Information (Unit 1) * Introduction to Computer Systems (Unit 2) * Website Development (Unit 4) * Networking Essentials (Unit 6) * Database Software (Unit 9) * Spreadsheet Software (Unit 10) * ICT Graphics (Unit 18) Each chapter in the textbook corresponds to one of these units of the syllabus. Students of BTEC First ICT programmes will find this text essential reading for the duration of their study - all the core material they will be following throughout their course is included in this book. Each chapter includes numerous illustrations, learning outcome summaries, definitions, learner activities, test your knowledge quiz questions and exercises. The result is a clear, straightforward and easily accessible text, which encourages independent study and acts as a reference to various topics within the qualification. The choice of specialist units reflects the breadth of Information and Communication Technology, rather than focusing on specific computing areas such as hardware and programming, and puts the emphasis on practical rather than academic units. It provides students with an excellent portfolio of knowledge and skills that will enable them to progress onto higher qualifications, such as the BTEC National, AS and A2, or to suitable employment within the ICT sector. Sharon Yull is a Senior Lecturer at City College Norwich and a Senior Subject Examiner for Higher Nationals in Computing for Edexcel. Sharon also runs the Training and Education Company, an IT and education consultancy, and has written books for other BTEC IT qualifications.

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