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LUIS REILLY

Drones as
Cyber-Physical
Systems IGI
Global
The
entertainment
industry has
long been
dominated by
legendary
screenwriter
William
Goldman's
"Nobody-
Knows-
Anything"
mantra, which
argues that
success is the
result of
managerial
intuition and
instinct. This
book builds
the case that
combining
such intuition

with data
analytics and
rigorous
scholarly
knowledge
provides a
source of
sustainable
competitive
advantage -
the same
recipe for
success that is
behind the
rise of firms
such as Netflix
and Spotify,
but has also
fueled
Disney's
recent
success.
Unlocking a
large
repertoire of
scientific
studies by
business
scholars and
entertainment
economists,
the authors

identify
essential
factors,
mechanisms,
and methods
that help a
new
entertainment
product
succeed. The
book thus
offers a timely
alternative to
"Nobody-
Knows"
decision-
making in the
digital era:
while coupling
a good idea
with smart
data analytics
and
entertainment
theory cannot
guarantee a
hit, it
systematically
and
substantially
increases the
probability of

success in the entertainment industry. Entertainment Science is poised to inspire fresh new thinking among managers, students of entertainment , and scholars alike. Thorsten Hennig-Thurau and Mark B. Houston – two of our finest scholars in the area of entertainment marketing – have produced a definitive research-based compendium that cuts across various branches of the arts to

explain the phenomena that provide consumption experiences to capture the hearts and minds of audiences. Morris B. Holbrook, W. T. Dillard Professor Emeritus of Marketing, Columbia University Entertainment Science is a must-read for everyone working in the entertainment industry today, where the impact of digital and the use of big data can't be ignored anymore. Hennig-Thurau

and Houston are the scientific frontrunners of knowledge that the industry urgently needs. Michael Kölmel, media entrepreneur and Honorary Professor of Media Economics at University of Leipzig Entertainment Science's winning combination of creativity, theory, and data analytics offers managers in the creative industries and beyond a novel, compelling,

and comprehensive approach to support their decision-making. This groundbreaking book marks the dawn of a new Golden Age of fruitful conversation between entertainment scholars, managers, and artists. Allègre Hadida, Associate Professor in Strategy, University of Cambridge

The Future of Smart Grids and Energy Market Design WIPO MACHINE

LEARNING PARADIGM FOR INTERNET OF THINGS APPLICATIONS

As companies globally realize the revolutionary potential of the IoT, they have started finding a number of obstacles they need to address to leverage it efficiently. Many businesses and industries use machine learning to exploit the IoT's potential and this book brings clarity to the issue. Machine learning (ML) is the key tool

for fast processing and decision-making applied to smart city applications and next-generation IoT devices, which require ML to satisfy their working objective. Machine learning has become a common subject to all people like engineers, doctors, pharmacy companies, and business people. The book addresses the problem and new algorithms, their

accuracy, and their fitness ratio for existing real-time problems. Machine Learning Paradigm for Internet of Thing Applications provides the state-of-the-art applications of machine learning in an IoT environment. The most common use cases for machine learning and IoT data are predictive maintenance, followed by analyzing CCTV surveillance,

smart home applications, smart-healthcare, in-store 'contextualized marketing', and intelligent transportation systems. Readers will gain an insight into the integration of machine learning with IoT in these various application domains. **Marine Design XIII, Volume 1** Walter de Gruyter GmbH & Co KG Are you ready for the IoT revolution? The Internet of Things (IoT) will soon be

everywhere—embedded in interconnected devices we'll use every day. Already, cars, appliances, and wearables transmit realtime data to improve performance . . . and new IoT products can even save your life. Consumer goods are just the tip of the iceberg. Amid projections that 30 billion smart devices will be linked in the near future, traditional companies such as Siemens, GE, and John Deere are

preparing for profound changes to management, strategy, manufacturing, and maintenance. With the IoT, for example, sensors warn when a critical assembly-line part is about to break, or track how customers actually use products. Data hubs collect and share information instantly with departments, supply chains, partners, and customers—anchoring the organization and replacing hierarchies with circular

systems. The Future is Smart documents the shifts now under way. Written by a leading IoT strategist, the book explains how companies are tapping technology to: Optimize supply chains

- Maximize quality
- Boost safety
- Increase efficiency
- Reduce waste
- Cut costs

Revolutionize product design

- Delight customers

For those who are ready, the opportunities are endless.

This big-think book reveals concrete actions for thriving in this new tech-enabled world. *Demystifying Digital Transformation* Elsevier

This book introduces the technical foundations and tools for estimating the power consumption of internet networks and services, including a detailed description of how these models are constructed and applied. *Modeling the Power Consumption*

<p>and Energy Efficiency of Telecommunications Networks can be used to gain insight into the construction of mathematical models that provide realistic estimates of the power consumption of internet networks and services. This knowledge enables forecasting the energy footprint of future networks and services to integrate sustainability and environmental</p>	<p>considerations into network planning and design.</p> <p>FEATURES</p> <p>Provides the motivation for developing mathematical models for telecommunications network and service power consumption and energy efficiency modeling</p> <p>Presents factors impacting overall network and service power consumption</p> <p>Discusses the types of network equipment and their power consumption</p>	<p>profiles</p> <p>Reviews the basics of power modeling, including network segmentation, traffic forecasting, top-down and bottom-up models, wired and wireless networks, data centers and servers</p> <p>Explores the application of energy efficiency metrics for equipment, networks, and services</p> <p>This book is aimed at students and technologists as well as technology managers and</p>
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policy makers. This book will be of value to any organization that wishes to estimate the energy footprint of the use of information and communications technologies. This book can also be integrated into a course on the sustainability of information and communications technologies. *Nine Laws for Success* WIPO Digital disruption is accelerating. Implementing

a successful digital transformation strategy requires that senior managers make trade-off decisions to reinvent a business. Equally important all decision makers must learn to ask the right questions, use data and computer support in decision making, and increase their knowledge and skills. Creating a data-centric culture and rewarding data-based decision

making leads to successful digital transformation. Join the digital journey. This book is targeted at managers, especially middle-level managers who are trying to come to grips with using data-based decision making in a transforming organization. The authors explore a number of broad questions including: How can managers become data-based decision makers? How

can digital transformation become part of an organizational strategy? What new skills do managers need to implement digital transformation? How will we know an organization has been successfully transformed? The Future is Smart
Springer
Nature
The idea of storytelling goes beyond the borders of language, culture, or traditional education, and has

historically been a tie that binds families, communities, and nations. Digital storytelling offers opportunities for authentic academic and non-academic literacy learning across a multitude of genres. It is easily accessible to most members of society and has the potential to transform the boundaries of traditional education. As concepts around traditional

literacy education evolve and become more culturally and linguistically relevant and responsive, the connections between digital storytelling and disciplinary literacy warrant considered exploration. Connecting Disciplinary Literacy and Digital Storytelling in K-12 Education develops a conceptual framework around pedagogical connections to

digital storytelling within K-12 disciplinary literacy practices. This essential reference book supports student success through the integration of digital storytelling across content areas and grade levels. Covering topics that include immersive storytelling, multiliteracies, social justice, and pedagogical storytelling, it is intended for stakeholders interested in innovative

K-12 disciplinary literacy skill development, research, and practices including but not limited to curriculum directors, education faculty, educational researchers, instructional facilitators, literacy professionals, teachers, pre-service teachers, professional development coordinators, teacher preparation programs, and students.
Proceedings of SOHOMA 2018
 Academic

Press
 This book is an advanced approach to power electronics specifically in terms of renewable energy systems and smart grid. The fourteen chapters are updated and extended versions of the invited papers in the Proc. IEEE special issue of November 2017, contributed by a group of invited authors who are international authorities in their field. The application-

oriented chapters are tutorial oriented, with technology status review. The book also includes examples of applications and discussions of future perspectives. Adaptive Health Management Information Systems John Wiley & Sons This groundbreaking report looks at patenting and technology trends in innovative assistive technology. It identifies the prominent

technologies, top players and markets for patent protection across seven domains - mobility, cognition, communication, hearing, the built environment, self-care and vision. Using a scale of technology readiness, it reveals which of the identified assistive products filed for patent protection are closest to commercialization. *How Your Company Can Capitalize on the Internet of*

Things--and Win in a Connected Economy Springer Nature Visit the Book site for more information Many large organizations are having to cede their market dominance to new disruptive players. Well-oiled organizations are hitting roadblocks due to unanticipated problems that are slowing down operations. VUCA is affecting organizations like never before -

impacting schedules, delaying deliverables, and causing cost overruns. Managing projects has become a nightmare with the uncertainties and ambiguities of business, delaying integration of allied activities, making the project a non-starter even before it gets off the ground. In this VUCA world, it is imperative to confront the volatile, embrace the unknown, conquer the

complex, and understand the ambiguous to be able to predict what lies ahead. This book helps managers master the art of dealing with VUCA by providing relatable experiences from the armed forces and advocating the use of RACE methodology. The book suggests disruptive tools and methods, and advises managers on the leadership traits needed

for successfully completing projects by cutting losses and preventing chaos. It is a must-read for all managers involved in operations, supply chain, logistics, and production and manufacturing portfolios. Ex-army personnel who are starting a second career in the corporate/private sector will also greatly benefit from reading this book. *Advances in Renewable Energy and*

Electric Vehicles IGI Global
Ever since the turn of the century, people have watched on with amazement at the rapid rate of change in the technological world. Technology has become an increasingly more important part of the world that we live in and inhabit. However, what many people do not realize is the immense, almost empirical power of

technology today. As we go from 2017 into 2018, and approach a new decade in the near future, technology takes center-stage once again. This is vitally important and a major distinction that you should look to try make the most of. In this guide, we are going to show you how you can best grasp what is coming in the future based on the signs that point to the latest and greatest trends. So,

with that in mind, let's begin by taking a look at some of the top trends which experts believe are going to play an integral role in 2018. If you are serious about making 2018 the year of your technological revolution, then you would do well to read on and see what awaits!
Social Impacts of Smart Grids
OECD Publishing
Interactive Exercises for Cross-Cultural Psychology provides

material for interactive discussion of a range of topics in cross-cultural psychology, including regional and indigenous psychology; symbolic and expressive psychology; identity; social perception and cognition; interpersonal interaction; emotion, motivation, and health; development and family; government and law; economics and work; environmental psychology; animals and other species;

and the psychology of recreation and sport. It will help students apply cultural psychology to social issues, and makes these issues relevant to students in health, forensic, organizational, sport and exercise, and other applied psychology fields. It offers suggestions for exposition, simulation, and confrontation of important cultural issues that matter to students, while allowing for maximum creativity in

instructional design. Thoroughly and currently referenced, with connections to a wide range of accessible web-based and open-source materials, it is user-friendly across a spectrum of classroom and workshop applications, including online delivery. *Business Transformations Towards a Better World* SAGE Publishing India This textbook is for courses in cyber

<p>security education that follow National Initiative for Cybersecurity Education (NICE) KSAs work roles and framework, that adopt the Competency-Based Education (CBE) method. The book follows the CBT (KSA) general framework, meaning each chapter contains three sections, knowledge and questions, and skills/labs for Skills and Abilities. The author makes an explicit balance between</p>	<p>knowledge and skills material in information security, giving readers immediate applicable skills. The book is divided into seven parts: Securely Provision; Operate and Maintain; Oversee and Govern; Protect and Defend; Analysis; Operate and Collect; Investigate. All classroom materials (in the book an ancillary) adhere to the NICE framework. Mirrors classes</p>	<p>set up by the National Initiative for Cybersecurity Education (NICE) Adopts the Competency-Based Education (CBE) method of teaching, used by universities, corporations, and in government training Includes content and ancillaries that provide skill-based instruction on compliance laws, information security standards, risk response and recovery, and more</p>
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<p><u>MGMT</u> Routledge Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. <i>The NICE Cyber Security Framework</i> BoD - Books on Demand McKinsey Global Institute predicts Internet of Things (IoT) could generate up to \$11.1 trillion a year in economic value by 2025. Gartner</p>	<p>Research Company expects 20 billion inter- connected devices by 2020 and, as per Gartner, the IoT will have a significant impact on the economy by transforming many enterprises into digital businesses and facilitating new business models, improving efficiency and increasing employee and customer engagement. It's clear from above and our research that the IoT is a</p>	<p>game changer and will have huge positive impact in foreseeable future. In order to harvest the benefits of IoT revolution, the traditional software development paradigms must be fully upgraded. The mission of our book, is to prepare current and future software engineering teams with the skills and tools to fully utilize IoT capabilities. The book introduces essential IoT concepts from</p>
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the perspectives of full-scale software development with the emphasis on creating niche blue ocean products. It also: Outlines a fundamental full stack architecture for IoT Describes various development technologies in each IoT layer Explains IoT solution development from Product management perspective Extensively covers security and applicable threat models as part of IoT

stack The book provides details of several IoT reference architectures with emphasis on data integration, edge analytics, cluster architectures and closed loop responses.

OECD Science, Technology and Industry Scoreboard 2017 The digital transformation Springer Nature
"ITS NOT THE STRONGEST OF THE SPECIES THAT SURVIVES, NOR THE

MOST INTELLIGENT, IT IS THE ONE THAT IS THE MOST ADAPTABLE TO CHANGE" – CHARLES DARWIN The famous quote from Charles Darwin seems apt for the Disruptive Digital Era, moving beyond the realms of physical limitations, opening new frontiers, and changing the fundamentals along the way. As a result, we are seeing the creation of highly Agile, Fearless and Hyper-Connected

Digital Enterprise, willing to take on the world with unknowns at a rate never seen before. This book is a guiding lense to those established enterprises, who are weathering the storm, trying to re-invent themselves amidst disruptions, that are threatening to take away their very existence. And also to the budding one`s with blue eyed approach to win the market and

make an impact on their customers. This book will offer transformation leaders with Guiding framework for a transformed Disruptive Mindset Building Blocks of Disruptive Digital Enterprise Engagement models that define Customer Experience Digital Maturity Model, Toolkits and Assessment Framework Building a Roadmap Design

Disruptive Digital is richly illustrated with real world examples from Netflix, GE, Microsoft, Uber, Nike etc. along with detailed case studies of Indian Railways and Amazon, analyzing their digital maturity and roadmap moving forward. The book introduces a fresh perspective and innovative model to guide leaders and their teams in expanding their capacity to engage in

the new disruptive era. The Forward-Looking Manager in a VUCA World Springer
An increasing complexity of models used to predict real-world systems leads to the need for algorithms to replace complex models with far simpler ones, while preserving the accuracy of the predictions. This three-volume handbook covers methods as well as applications. This third

volume focuses on applications in engineering, biomedical engineering, computational physics and computer science. **Technology Trends 2018** Springer
Scheduling is defined as the process of assigning operations to resources over time to optimize a criterion. Problems with scheduling comprise both a set of resources and a set of a consumers. As such, managing scheduling

problems involves managing the use of resources by several consumers. This book presents some new applications and trends related to task and data scheduling. In particular, chapters focus on data science, big data, high-performance computing, and Cloud computing environments. In addition, this book presents novel algorithms and literature reviews that will guide

current and new researchers who work with load balancing, scheduling, and allocation problems.

Building

Enterprise IoT Applications

AMACOM

This book introduces the concept of using drones as a teaching tool to explore the fundamental principles, technology and applications of Cyber-Physical Systems (CPS). A short introduction sets CPS in the context of the 4th

industrial revolution, and describes various CPS technologies including self-driving cars, commercial intelligent drones and mobile robots, in which artificial intelligence routinely supports smarter decision-making. The core of the book then focuses on commercially available drones, the only available system offering the advantage of cyber-physical bridging through 3D

autonomous dynamic flying in classroom conditions. Chapters describe drone technology, including location sensors and imaging systems. CPS theory is explained through typical drone flying procedures and do-it-yourself (DIY) aerial photography in which communication between sensors, actuators and controllers occurs through cyber-physical bi-

directional bridging. This book opens new possibilities in fostering 4th industrial revolution literacy, introducing relevant examples from readily available equipment, making core elements of cyber-physical bridging accessible. It is aimed primarily at those students who have an interest in CPS, drones and those from disciplines that are concerned with spatial

information. *Service Orientation in Holonic and Multi-Agent Manufacturing* Springer Nature The book discusses the evolution of future generation technologies through Internet of Things (IoT) in the scope of Artificial Intelligence (AI). The main focus of this volume is to bring all the related technologies in a single platform, so that undergraduate and postgraduate

students, researchers, academicians, and industry people can easily understand the AI algorithms, machine learning algorithms, and learning analytics in IoT-enabled technologies. This book uses data and network engineering and intelligent decision support system-by-design principles to design a reliable AI-enabled IoT ecosystem and to implement

cyber-physical pervasive infrastructure solutions. This book brings together some of the top IoT-enabled AI experts throughout the world who contribute their knowledge regarding different IoT-based technology aspects.

Cyber Security: Power and Technology

CRC Press
Digital transformation is inevitable, for organisations who seek to remain relevant in the

future. The objective of any digital transformation is to innovatively apply the technology stack to reinvent the organisation and the way in which it will engage with the customer to deliver value to them. Given that each organisation has a unique DNA with distinctive aspirations, the digital journey need to be individually crafted with clear purpose, technology choices, and

implementation specifics. Leaders will be called upon to take well-informed and deliberative decisions that have enormous implications and could very well define the future of the organisation. This book provides the necessary framework to assist leaders define their transformation agenda and execution specifics. Authors present an integrated approach, covering technological, strategic and

organisational perspectives, while pointing out the decisions that need to be considered at various

milestones during the digital transformation journey. This is an essential handbook for the industry

leaders and transformation professionals as they embark on the digital transformation journey.