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Robotic
Automatio
n Pwc

**This book
brings
together
experts from
research and
practice. It
includes the**

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**design of
innovative
Robot Process
Automation
(RPA)
concepts, the
discussion of
related
research fields
(e.g., Artificial
Intelligence,
AI), the**

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**evaluation of
existing
software
products, and
findings from
real-life imple-
mentation
projects.
Similar to the
substitution of
physical work
in**

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**manufacturing
(blue collar
automation),
Robotic
Process
Automation
tries to
substitute
intellectual
work in office
and
administration**

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processes with software robots (white-collar automation). The starting point for the development of RPA was the observation that - despite the use of proc

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**ess-oriented
enterprise
systems (such
as ERP, CRM
and BPM
systems) -
additional
manual
activities are
still
indispensable
today. In the**

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RPA approach, these manual activities are learned and automated by software robots, either by defining rules or by observing manual activities. RPA

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**is related to
business
process
management,
machine
learning, and
artificial
intelligence.
Tools for RPA
originated
from dedicated
stand-alone**

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software.

Today, RPA functionalities are also integrated into elaborated process management suites. From a conceptual perspective, RPA can be

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**structured
into input
components
(sensors in the
wide sense),
an intelligence
center, and
output
components
(actuators in
the wide
sense). From a**

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**strategic
perspective,
the impact of
RPA can be
related to the
support of
existing tasks,
the complete
substitution of
human
activities, and
the innovation**

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**of processes as
well as
business
models. At
present, high
expectations
are related to
the use of RPA
in the
improvement
of software-
supported**

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**business
processes.
Manual
activities are
learned and
automated by
software
robots that
interact with
existing
applications
via the**

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**presentation
layer. In
combination
with artificial
intelligence
(AI) as well as
innovative
interfaces (e.
g., voice
recognition)
RPA creates a
novel level of**

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**automation for
office and
administration
processes. Its
benefit
potential
reaches a
return on
investment
(ROI) up-to
800% that is
documented in**

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various case studies.

Blockchain technology and artificial intelligence (AI) have the potential to transform how the accounting and financial services

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industries

**engage with
the business,
stakeholder
and consumer
communities.
Presenting a
blend of
technical
analysis with
current and
future**

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**applications,
this book
provides
professionals
with an action
plan to
embrace and
move forward
with these new
technologies
in financial
and**

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**accounting
organizations.
It is written in
a
conversational
style that is
unbiased and
objective,
replacing
jargon and
technical
details with**

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real world case

examples.

**Due to
changes in the
learning and
research
environment,
changes in the
behavior of
library users,
and unique
global**

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**disruptions
such as the
COVID-19
pandemic,
libraries have
had to adapt
and evolve to
remain up-to-
date and
responsive to
their users.
Thus, libraries**

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**are adding
new, digital
resources and
services while
maintaining
most of the
old, traditional
resources and
services. New
areas of
research and
inquiry in the**

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**field of library
and
information
science
explore the
applications of
machine
learning,
artificial
intelligence,
and other
technologies**

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**to better serve
and expand
the library
community.**

**The Handbook
of Research on
Knowledge
and
Organization
Systems in
Library and
Information**

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Science

examines new technologies and systems and their application and adoption within libraries. This handbook provides a global

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**perspective on
current and
future trends
concerning
library and
information
science.
Covering
topics such as
machine
learning,
library**

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**management,
ICTs,
blockchain
technology,
social media,
and
augmented
reality, this
book is
essential for
librarians,
library**

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**directors,
library
technicians,
media
specialists,
data
specialists,
catalogers,
information
resource
officers,
administrators**

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**, IT
consultants
and
specialists,
academicians,
and students.
This book
focuses on
how digital
technologies
and rapid
developments**

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**in artificial
intelligence
are shaping a
new
generation of
cyber-physical
systems based
on the
convergence
among robots,
sensors, and
3D printing.**

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The book tells a story based on data and indicators to compare the resilience to this transformation in some key manufacturing regions. As a specific case

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**study, the
book discusses
in length the
transformation
of the
manufacturing
processes in
the Italian
automotive
industry. The
authors
conclude the**

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**book by
providing
policy
implications
for regions
and cities.**

**Welcome to
the World of H
yperautomatio
n**

**Policymaking
in the Era of**

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**Artificial
Intelligence
The Economic
Singularity
A 4-Step
Approach for
Applying
Automation to
Work
A Guide to
Implementing
RPA Systems**

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**Handbook of
Research on
Strategic Fit
and Design in
Business
Ecosystems
What To
Expect When
You're
Expecting
Robots**

According to New

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China's long-term development plan, the Chinese military will complete its modernization by 2035. Moreover, a beautiful China will fully blossom as well by 2035, in its various charming and radiant aspects, including its ancient culture with modern Chinese characteristics, its benign positive soft

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power, its clean and green ecology and environment, its friendly and peaceful global diplomacy, and its win-win and progress-prosper relationships with the world's nations, through the Belt and Road Initiative (BRI) to cooperate and co-develop for bilateral and international/regional

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benefits, and for the common good and the shared future of humanity. By 2049, New China will complete its ambitious, ardent and arduous century-long march of national development, modernization, and rejuvenation/renewal, and strongly establish its own world-class military forces.

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Following the previous two volumes: (1) China's Renaissance on its phenomenal rise and transformation over the past 70 years (1949-2019), and (2) China's Long March of Modernization with its remarkable and unique portfolio of blueprints, masterplans and roadmaps for full development,

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modernization, and
rejuvenation by
mid-21st century, this
third volume
incorporates (1)
SOARING DRAGON
which further explores
China's present and
future developments,
and (2) **CHINA AT
THE CUTTING-EDGE**
which provides a brief
on China's
revolutionary

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breakthroughs and innovations in both the economic and military fields. And its message: New China is standing tall as a leading global innovator. This timely publication completes the New China development Quartet on the country's envisioned and planned/scripted 100-year-long

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(1949-2049) struggles to comprehensively and fully develop, modernize, and rejuvenate/renew itself, and to build up a world-class military with distinctive Chinese characteristics. The contemporary Chinese Dream is China's Vision 2050: of a boldly-reinvented, fully-restored and gloriously-

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transformed nationhood
by 2050. According to
its manifest destiny,
New China will regain
its historical foremost
status among the
world's nations, by the
highly auspicious time
of the People's
Republic of China
(PRC)'s centenary on 1
October 2049. As they
say, history will repeat
itself. And, it will do so,

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magnificently, in New China's restoration to geopolitical preeminence.

In a global survey by the Katzenbach Center, 80 percent of respondents believed that their organization must evolve to succeed. But a full quarter of them reported that a change effort at their organization had

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resulted in no visible results. Why? The fate of any change effort depends on whether and how leaders engage their culture: the self-sustaining patterns of behaving, feeling, thinking, and believing that determine how things are done in an organization. Culture is implicit rather than explicit, emotional

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rather than

rational—that's what makes it so hard to work with, but that's also what makes it so powerful. For the first time, this book lays out the Katzenbach Center's proven methodology for identifying your culture's three most critical elements: traits, characteristics that are at the heart of people's

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emotional connection to what they do; keystone behaviors, actions that would lead your company to succeed if they were replicated at a greater scale; and authentic informal leaders, people who have a high degree of “emotional intuition” or social connectedness. By leveraging these critical few elements,

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you can tap into a source of catalytic change within your organization. People will make an emotional, not just a rational, commitment to new initiatives. You will elicit enthusiasm and creativity and build the kind of powerful company that people recognize for its innate value and effectiveness.

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Robotic Process Autom
ation Management,
Technology,
Applications Walter de
Gruyter GmbH & Co
KG

Artificial Intelligence is here, today. How can society make the best use of it? Until recently, "artificial intelligence" sounded like something out of science fiction. But the technology of

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artificial intelligence, AI, is becoming increasingly common, from self-driving cars to e-commerce algorithms that seem to know what you want to buy before you do. Throughout the economy and many aspects of daily life, artificial intelligence has become the transformative technology of our time.

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Despite its current and potential benefits, AI is little understood by the larger public and widely feared. The rapid growth of artificial intelligence has given rise to concerns that hidden technology will create a dystopian world of increased income inequality, a total lack of privacy, and perhaps a broad threat to

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humanity itself. In their compelling and readable book, two experts at Brookings discuss both the opportunities and risks posed by artificial intelligence--and how near-term policy decisions could determine whether the technology leads to utopia or dystopia. Drawing on in-depth studies of major uses of

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AI, the authors detail how the technology actually works. They outline a policy and governance blueprint for gaining the benefits of artificial intelligence while minimizing its potential downsides. The book offers major recommendations for actions that governments, businesses, and

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individuals can take to promote trustworthy and responsible artificial intelligence. Their recommendations include: creation of ethical principles, strengthening government oversight, defining corporate culpability, establishment of advisory boards at federal agencies, using

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third-party audits to reduce biases inherent in algorithms, tightening personal privacy requirements, using insurance to mitigate exposure to AI risks, broadening decision-making about AI uses and procedures, penalizing malicious uses of new technologies, and taking pro-active steps to

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address how artificial intelligence affects the workforce. Turning Point is essential reading for anyone concerned about how artificial intelligence works and what can be done to ensure its benefits outweigh its harm.

The Future of Human-
Robot Collaboration
The AI Book

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Practical Applications
China, Silicon Valley,
and the New World
Order

Automation 2017
Resilience and Digital
Disruption
Management,
Technology,
Applications

**This book consists
of papers
presented at**

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**Automation 2018,
an international
conference held in
Warsaw from
March 21 to 23,
2018. It discusses
the radical
technological
changes occurring
due to the
INDUSTRY 4.0,
with a focus on
offering a better**

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**understanding of
the Fourth
Industrial
Revolution. Each
chapter presents a
detailed analysis
of interdisciplinary
knowledge,
numerical
modeling and
simulation as well
as the application
of cyber-physical**

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systems, where information technology and physical devices create synergic systems leading to unprecedented efficiency. The theoretical results, practical solutions and guidelines presented are valuable for both

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**researchers
working in the
area of
engineering
sciences and
practitioners
looking for
solutions to
industrial
problems.
The New York
Times-bestselling
guide to how**

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**automation is
changing the
economy,
undermining work,
and reshaping our
lives Winner of
Best Business
Book of the Year
awards from the
Financial Times
and from Forbes
"Lucid,
comprehensive,**

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**and unafraid...;an
indispensable
contribution to a
long-running
argument."--Los
Angeles Times
What are the jobs
of the future? How
many will there
be? And who will
have them? As
technology
continues to**

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**accelerate and
machines begin
taking care of
themselves, fewer
people will be
necessary.**

**Artificial
intelligence is
already well on its
way to making
"good jobs"
obsolete: many
paralegals,**

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**journalists, office
workers, and even
computer
programmers are
poised to be
replaced by robots
and smart
software. As
progress
continues, blue
and white collar
jobs alike will
evaporate,**

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**squeezing
working- and
middle-class
families ever
further. At the
same time,
households are
under assault from
exploding costs,
especially from
the two major indu
stries-education
and health care-**

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that, so far, have not been transformed by information technology. The result could well be massive unemployment and inequality as well as the implosion of the consumer economy itself.

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The past solutions to technological disruption, especially more training and education, aren't going to work. We must decide, now, whether the future will see broad-based prosperity or catastrophic levels of inequality

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**and economic
insecurity. Rise of
the Robots is
essential reading
to understand
what accelerating
technology means
for our economic
prospects-not to
mention those of
our children-as
well as for society
as a whole.**

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This book explains how various forms of artificial intelligence, namely machine learning, natural language processing, and robotic process automation, could provide a source of competitive advantage to firms

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deploying them compared to those firms that would not have deployed these technologies. The advantages of machine learning, natural language processing, and robotic process automation in strategy

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**formulation and
strategy
implementation
are explored. The
book illustrates
the potential
sources of
advantage for the
strategy
formulation and
strategy
implementation
processes, which**

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**can be derived
from the
deployment of
each form of
artificial
intelligence.
Looking for ways
to handle the
transition to a
digital economy
Robots, artificial
intelligence, and
driverless cars are**

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**no longer things of
the distant future.
They are with us
today and will
become
increasingly
common in
coming years,
along with virtual
reality and digital
personal
assistants. As
these tools**

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advance deeper into everyday use, they raise the question—how will they transform society, the economy, and politics? If companies need fewer workers due to automation and robotics, what happens to those

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who once held those jobs and don't have the skills for new jobs? And since many social benefits are delivered through jobs, how are people outside the workforce for a lengthy period of time going to earn

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**a living and get
health care and
social benefits?
Looking past
today's headlines,
political scientist
and cultural
observer Darrell M.
West argues that
society needs to
rethink the
concept of jobs,
reconfigure the**

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**social contract,
move toward a
system of lifetime
learning, and
develop a new
kind of politics
that can deal with
economic
dislocations. With
the U.S.
governance
system in
shambles because**

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**of political
polarization and
hyper-
partisanship,
dealing creatively
with the transition
to a fully digital
economy will vex
political leaders
and complicate
the adoption of
remedies that
could ease the**

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transition pain. It is imperative that we make major adjustments in how we think about work and the social contract in order to prevent society from spiraling out of control. This book presents a number of proposals to

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help people deal with the transition from an industrial to a digital economy. We must broaden the concept of employment to include volunteering and parenting and pay greater attention to the

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opportunities for leisure time. New forms of identity will be possible when the "job" no longer defines people's sense of personal meaning, and they engage in a broader range of activities.

Workers will need help throughout

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**their lifetimes to
acquire new skills
and develop new
job capabilities.
Political reforms
will be necessary
to reduce
polarization and
restore civility so
there can be open
and healthy
debate about
where**

**Access Free
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responsibility lies
for economic well-
being. This book is
an important
contribution to a
discussion about
tomorrow—one
that needs to take
place today.**

**The Future of
Work
Innovations in
Automation,**

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**Robotics and
Measurement
Techniques
Humanity Works
Expand
automation in your
organization to
achieve
operational
efficiency and high
performance
Research
Anthology on**

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**Cross-Disciplinary
Designs and
Applications of
Automation
Einsatz von
Robotic Process
Automation im
PwC Shared
Service Center
und die
Auswirkung auf
die
Personalbelastung**

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AI Superpowers

While human capabilities can withstand broad levels of strain, they cannot hope to compete with the advanced abilities of automated technologies.

Developing advanced robotic systems will provide a better, faster means to produce goods and

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deliver a level of
seamless
communication and
synchronization that
exceeds human skill.
Advanced Robotics
and Intelligent
Automation in
Manufacturing is a
pivotal reference
source that provides
vital research on the
application of
advanced

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manufacturing technologies in regards to production speed, quality, and innovation. While highlighting topics such as human-machine interaction, quality management, and sensor integration, this publication explores state-of-the-art technologies in the

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field of robotics engineering as well as human-robot interaction. This book is ideally designed for researchers, students, engineers, manufacturers, managers, industry professionals, and academicians seeking to enhance their innovative design capabilities.

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Dieses Buch bringt Ihnen die Robotic Process Automation in der Finanzwirtschaft näher In der Finanzbranche ist das Thema Prozessautomatisierung seit Jahren nicht mehr wegzudenken. Doch wie setzt man solche Veränderungen im Rahmen des

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Changemanagements
erfolgreich und
effizient um? Das
Buch "Robotic
Process Automation
in der
Finanzwirtschaft"
zeigt es Ihnen. Im
Fokus steht der recht
junge RPA-Ansatz
aus der Intelligent
Automation. Dabei
imitieren Roboter das
menschliche Handeln.

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Die Eingabe von Befehlen erfolgt direkt über die Oberfläche. So gehören tiefgreifende Software veränderungen der Vergangenheit an. Im Zuge dessen klärt dieses Buch u. a. folgende Fragen bezüglich der Robotic Process Automation in der Finanzwirtschaft: □

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Was ist RPA überhaupt? □ Welche Vorteile bringt diese Technologie mit sich? □ Welche Erfolgsfaktoren tragen zu einer optimalen RPA-Implementierung bei? □ Wie sieht ein mögliches RPA-Kompetenzcenter aus? □ Welche Anwendungsbereiche für RPA gibt es? Eine

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Leseempfehlung für ein breites Zielpublikum
Daneben beschäftigen sich die Autoren nicht nur mit dem Ist-Zustand der Robotic Process Automation. Zudem erhalten Sie einen Ausblick auf die zukünftige Entwicklung dieser Software-Lösung.

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Durch den hohen
Praxisbezug ist das
Buch speziell für
folgende Zielgruppen
eine lesenswerte

Empfehlung: □

Verantwortliche für
die Implementierung
von Prozessen oder
Technologien im IT-
Bereich □ RPA-
Anwender und
Personen, die sich
dafür interessieren □

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Erfahrene Experten
und Praktiker, die
branchenübergreifend
mit RPA vertraut sind
Between the 18th and
19th centuries, Britain
experienced massive
leaps in technological,
scientific, and
economical
advancement

"Read The Economic
Singularity if you want
to think intelligently

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about the future."

Aubrey de Grey

Artificial intelligence (AI) is overtaking our human ability to absorb and process information. Robots are becoming increasingly dextrous, flexible, and safe to be around (except the military ones). It is our most powerful technology, and you

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need to understand it. This new book from best-selling AI writer Calum Chace argues that within a few decades, most humans will not be able to work for money. Self-driving cars will probably be the canary in the coal mine, providing a wake-up call for everyone who isn't yet

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paying attention. All jobs will be affected, from fast food McJobs to lawyers and journalists. This is the single most important development facing humanity in the first half of the 21st century. The fashionable belief that Universal Basic Income is the solution is only partly correct.

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We are probably going to need an entirely new economic system, and we better start planning soon - for the Economic Singularity! The outcome can be very good - a world in which machines do all the boring jobs and humans do pretty much what they please. But there are

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major risks, which we can only avoid by being alert to the possible futures and planning how to avoid the negative ones."

Artificial Intelligence
and Robotics
Regional Competition
in the Age of Industry
4.0

INTELLIGENT
AUTOMATION
The Artificial

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Intelligence Handbook
for Investors,
Entrepreneurs and
FinTech Visionaries
Rise of the Robots
Advances in
Automation, Robotics
and Measurement
Techniques
Policy and
Government
Applications
President

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**Putin's
explicit
declaration
that the
country that
makes progress
in artificial
intelligence
will rule the
world has
launched a new
race for**

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**dominance. In
this era of
cognitive
competition
and total
automation,
every country
understands
that it must
rapidly adopt
AI or go bust.
To stay**

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**competitive a
country must
have a
strategy. But
how should a
government
proceed? What
areas it must
focus on?
Where should
it even start?
This book**

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**provides
answers to
these
important, yet
pertinent,
questions and
more.**

**Presenting the
viewpoints of
global experts
and thought
leaders on key**

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issues

**relating to AI
and government
policies, this
book directs
us to the
future.**

**This book
describes
process mining
use cases and
business**

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**impact along
the value
chain, from
corporate to
local
applications,
representing
the state of
the art in
domain know-
how. Providing
a set of**

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**industrial
case studies
and best
practices, it
complements
academic
publications
on the topic.
Further the
book reveals
the challenges
and failures**

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**in order to
offer readers
practical
insights and
guidance on
how to avoid
the pitfalls
and ensure
successful
operational
deployment.
The book is**

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**divided into
three parts:
Part I
provides an
introduction
to the topic
from
fundamental
principles to
key success
factors, and
an overview of**

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**operational
use cases. As
a holistic
description of
process mining
in a business
environment,
this part is
particularly
useful for
readers not
yet familiar**

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**with the
topic. Part II
presents
detailed use
cases written
by
contributors
from a variety
of functions
and
industries.
Lastly, Part**

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**III provides a
brief overview
of the future
of process
mining, both
from academic
and
operational
perspectives.
Based on a
solid academic
foundation,**

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Automation Pwc
**process mining
has received
increasing
interest from
operational
businesses,
with many
companies
already
reaping the
benefits. As
the first book**

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Automation Pwc
**to present an
overview of
successful
industrial
applications,
it is of
particular
interest to
professionals
who want to
learn more
about the**

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Automation Pwc
**possibilities
and
opportunities
this new
technology
offers. It is
also a
valuable
resource for
researchers
looking for
empirical**

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Automation Pwc

**results when
considering
requirements
for
enhancements
and further
developments.
The next
generation of
robots will be
truly social,
but can we**

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Automation PwC

**make sure that
they play well
in the
sandbox? Most
robots are
just tools.
They do
limited sets
of tasks
subject to
constant human
control. But a**

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Automation Pwc

**new type of
robot is
coming. These
machines will
operate on
their own in
busy,
unpredictable
public spaces.
They'll ferry
deliveries,
manage**

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Automation Pwc

**emergency
rooms, even
grocery shop.
Such systems
could be truly
collaborative,
accomplishing
tasks we don't
do well
without our
having to stop
and direct**

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Automation Pwc

them. This makes them social entities, so, as robot designers Laura Major and Julie Shah argue, whether they make our lives better or worse is a

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Automation Pwc

**matter of
whether they
know how to
behave. What
to Expect When
You're
Expecting
Robots offers
a vision for
how robots can
survive in the
real world and**

Access Free
Robotic

Automation PwC

**how they will
change our
relationship
to technology.
From teaching
them manners,
to robot-
proofing
public spaces,
to planning
for their
mistakes, this**

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Automation PwC

**book answers
every question
you didn't
know you
needed to ask
about the
robots on the
way.**

**Artificial
intelligence
(AI) and Big
Data based**

Access Free
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Automation Pwc

**applications
in accounting
and auditing
have become
pervasive in
recent years.
However,
research on
the societal
implications
of the
widespread and**

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Robotic
Automation Pwc

**partly
unregulated
use of AI and
Big Data in
several
industries
remains scarce
despite
salient and
competing
utopian and
dystopian**

Access Free
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Automation Pwc
narratives.

**This book
focuses on the
transformation
of accounting
and auditing
based on AI
and Big Data.
It not only
provides a
thorough and
critical**

Access Free
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Automation Pwc

**overview of
the status-quo
and the
reports
surrounding
these
technologies,
but it also
presents a
future outlook
on the ethical
and normative**

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Automation Pwc

**implications
concerning
opportunities,
risks, and
limits. The
book discusses
topics such as
future, human-
machine
collaboration,
cybernetic
approaches to**

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Automation Pwc

**decision-
making, and
ethical
guidelines for
good corporate
governance of
AI-based
algorithms and
Big Data in
accounting and
auditing. It
clarifies the**

Access Free
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issues

**surrounding
the digital
transformation
in this arena,
delineates its
boundaries,
and highlights
the essential
issues and
debates within
and concerning**

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Automation Pwc

**this rapidly
developing
field. The
authors
develop a
range of
analytic
approaches to
the subject,
both
appreciative
and sceptical,**

Access Free
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Automation Pwc
**and synthesise
new
theoretical
constructs
that make
better sense
of human-
machine
collaborations
in accounting
and auditing.
This book**

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Automation Pwc

**offers
academics a
variety of new
research and
theory
building on
digital
accounting and
auditing from
and for
accounting and
auditing**

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Automation Pwc

**scholars,
economists,
organisations,
and management
academics and
political and
philosophical
thinkers.**

**Also, as a
landmark work
in a new area
of current**

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policy

**interest, it
will engage
regulators and
policy makers,
reflective
practitioners,
and media
commentators
through its
authoritative
contributions,**

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Automation Pwc

**editorial
framing and
discussion,
and sector
studies and
cases.**

**Handbook of
Artificial
Intelligence
and Robotic
Process
Automation**

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Automation Pwc

**Using Outcome-
Driven
Innovation to
Create
Breakthrough
Products and
Services
Artificial
Intelligence
and the Death
of Capitalism
Robotic**

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**Process
Automation and
Risk
Mitigation
Automation
2018
Blockchain,
Artificial
Intelligence
and Financial
Services
Democratizing**

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**Artificial
Intelligence
with UiPath
This book
provides
insights into
research in the
field of artificial
intelligence in
combination
with robotics
technologies.**

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Automation Pwc

The integration of artificial intelligence and robotic technologies is a highly topical area for researchers and developers from academia and industry around the globe, and it

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**is likely that
artificial
intelligence will
become the
main approach
for the next
generation of
robotics
research. The
tremendous
number of
artificial**

Access Free
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Automation Pwc
**intelligence
algorithms and
big data
solutions has
significantly
extended the
range of
potential
applications for
robotic
technologies,
and has also**

Access Free
Robotic
Automation Pwc

**brought new
challenges for
the artificial
intelligence
community.
Sharing recent
advances in the
field, the book
features papers
by young
researchers
presented at the**

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Automation Pwc

4th

**International
Symposium on
Artificial
Intelligence and
Robotics 2019
(ISAIR2019),
held in Daegu,
Korea, on
August 20-24,
2019.**

This guide

Page 147/280

Access Free
Robotic
Automation Pwc
**covers leading-
edge topics in
managerial
accounting and
finance. It's
packed with
useful tips and
practical
guidance
controllers and
financial
managers can**

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apply

immediately.

**You'll also gain
insight into hot
topics such as:**

Power Pivot

Integrated

Reporting

Bitcoin

Technology

trends In

addition, this

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Automation Pwc
**guide includes a
case study
covering three
chapters using
Excel tools,
working capital
trends and
technology
changes.
While Robotic
Process
Automation**

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Automation Pwc

**(RPA) has been
around for
about 20 years,
it has hit an
inflection point
because of the
convergence of
cloud
computing, big
data and AI.
This book shows
you how to**

Access Free
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Automation PwC

**leverage RPA
effectively in
your company to
automate
repetitive and
rules-based
processes, such
as scheduling, i
nputting/transfe
rring data, cut
and paste,
filling out**

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Automation Pwc

**forms, and
search. Using
practical
aspects of
implementing
the technology
(based on case
studies and
industry best
practices), you'll
see how
companies have**

Access Free
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Automation Pwc

**been able to
realize
substantial ROI
(Return On
Investment)
with their imple
mentations,
such as by
lessening the
need for hiring
or outsourcing.
By**

Access Free
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Automation Pwc

**understanding
the core
concepts of
RPA, you'll also
see that the
technology
significantly
increases
compliance -
leading to fewer
issues with
regulations -**

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Automation Pwc

**and minimizes
costly errors.
RPA software
revenues have
recently soared
by over 60
percent, which
is the fastest
ramp in the tech
industry, and
they are
expected to**

Access Free
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Automation Pwc

exceed \$1 billion by the end of 2019. It is generally seamless with legacy IT environments, making it easier for companies to pursue a strategy of digital

Access Free
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Automation Pwc
**transformation
and can even be
a gateway to AI.
The Robotic
Process
Automation
Handbook puts
everything you
need to know
into one place to
be a part of this
wave. What**

Access Free
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Automation Pwc

You'll Learn
Develop the
right strategy
and plan
Deal
with resistance
and fears from
employees
Take
an in-depth look
at the leading
RPA systems,
including where
they are most

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Automation Pwc

**effective, the
risks and the
costs Evaluate an
RPA system Who
This Book Is For
IT specialists
and managers at
mid-to-large
companies
Manufacturing
4.0 The Use of
Emergent**

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Automation Pwc

**Technologies in
Manufacturing
This book
provides a
comprehensive
framework to
understand and
use Industry 4.0
emergent
technologies in
manufacturing
for the hands-on**

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Automation PwC

engineers. It details the contribution of Lean and Manufacturing 4.0 to reduce and handle the increasing complexity experienced in the production floor. In

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**addition, it
classifies
manufacturing
under three
attributes
describing the
way each of
them modify it:
Digital,
Automated, and
Additive. Each
of these**

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Automation Pwc

modifiers is presented as a chapter with a strategy, a detail description of the set of tools around them, and examples to make it easy to understand for the reader. The

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Automation Pwc

**hype of industry
4.0 and its
derivative
technologies
inevitably
creates new
business models
but it also
significantly
impacts key
process
indicators. The**

Access Free
Robotic
Automation Pwc
**integration, and
exploitation of a
subset of
Industry 4.0
technologies is
baptized as
manufacturing
4.0 in this book.
The book also
outlines a
manufacturing
4.0**

Access Free
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Automation Pwc
**implementation
Strategy as part
of the
continuous
improvement
journey to
assess, outline
solutions,
evaluate the
benefit and risk,
review with
stakeholders,**

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Automation Pwc

**and create a
portfolio. A
roadmap
provides a
guideline
together with all
the explanations
of the different
technology
applications in
order to use it
as a reference.**

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Automation Pwc

**The goal is for
you to apply
these
technology
enablers on the
right problems
to benefit your
organization.
Principles, Use
Cases and
Outlook
Soaring Dragon**

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Automation Pwc

**Vol 3 and China
Dream (China at
the Cutting
Edge) Vol 4
Technology -
Implementation
- Success For
Decision Makers
and Users
The Definitive
Guide
Artificial**

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**Intelligence in
Accounting
What Customers
Want: Using
Outcome-Driven
Innovation to
Create
Breakthrough
Products and
Services
The Robotic
Process**

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Automation Handbook

This book consists of papers presented at Automation 2017, an international conference held in Warsaw from March 15 to 17, 2017. It discusses research findings associated with the concepts behind INDUSTRY

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4.0, with a focus on offering a better understanding of and promoting participation in the Fourth Industrial Revolution. Each chapter presents a detailed analysis of a specific technical problem, in most cases followed by a numerical analysis, simulation and

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description of the results of implementing the solution in a real-world context. The theoretical results, practical solutions and guidelines presented are valuable for both researchers working in the area of engineering sciences and practitioners looking for solutions

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to industrial problems.
The hype and fear,
globally, that
surrounds service
automation, robots
and the future of work
need to be punctured
by in-depth research.
This book, by
Professors Leslie
Willcocks and Mary
Lacity, captures a
year's worth of
learning about service

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automation based on a survey, in-depth client case studies, and interviews with service automation clients, providers, and advisors. The authors cleverly embed today's empirical lessons into the broader history and context of automation, as a vital key in understanding the fast-

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rising phenomenon of service automation. The authors give a balanced, informed and compelling view on gaining the many benefits, as well as managing the downsides, of present and future technologies. The book has a number of key selling points: The authors are globally

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recognised for outstanding, world-class research; the book describes types of automation and gives evidence for multiple business benefits; in-depth case studies are included - from clients, providers and advisors of service automation; 25 key lessons are given, on

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how to deploy service automation in the workplace and there is a focus on the future of work, including robotic process automation, with valuable predictions and critique.

The professional landscape is transforming, and the only way to maintain

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competitive

advantage is to
maximize the unique
skills of your
workforce. In

Humanity Works,
bestselling author,
global workplace
consultant and futurist

Alexandra Levit
provides a guide to
making the most of
the human traits of
creativity, judgement,

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problem solving and interpersonal sensitivity. Revealing what the 'robot takeover' will really look like, how talent and machines can work side by side and how you can make organizational structures more agile and innovation focused, this book will prepare you to lead

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organizations of the future. Humanity Works doesn't just explain the fascinating trends of the future of work; it condenses cutting-edge academic and business thinking to show what you can do about the future right now. Original, real-life case studies including Nestle, The

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Washington Post, Deloitte, and Pepsi combined with exercises and workplace tools will equip you for staying innovative and successful in the wake of major workplace disruption. Everything hinges on capturing the human edge in your organization.

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Artificial intelligence touches nearly every part of your day.

While you may initially assume that

technology such as smart speakers and digital assistants are the extent of it, AI has in fact rapidly become a general-purpose technology, reverberating across industries including

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transportation, healthcare, financial services, and many more. In our modern era, an understanding of AI and its possibilities for your organization is essential for growth and success. Artificial Intelligence Basics has arrived to equip you with a fundamental, timely

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grasp of AI and its impact. Author Tom Taulli provides an engaging, non-technical introduction to important concepts such as machine learning, deep learning, natural language processing (NLP), robotics, and more. In addition to guiding you through real-world case

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studies and practical implementation steps, Taulli uses his expertise to expand on the bigger questions that surround AI. These include societal trends, ethics, and future impact AI will have on world governments, company structures, and daily life. Google,

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Amazon, Facebook, and similar tech giants are far from the only organizations on which artificial intelligence has had—and will continue to have—an incredibly significant result. AI is the present and the future of your business as well as your home life. Strengthening your

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proWess on the
subject will prove
invaluabLe to your
preparation for the
future of tech, and
Artificial Intelligence
Basics is the
indispensable guide
that you've been
seeking. What You
Will Learn Study the
core principles for AI
approaches such as
machine learning,

Access Free Robotic Automation Pwc

deep learning, and
NLP (Natural
Language
Processing) Discover
the best practices to
successfully
implement AI by
examining case
studies including
Uber, Facebook,
Waymo, UiPath, and
Stitch Fix Understand
how AI capabilities for
robots can improve

Access Free Robotic Automation Pwc

businessDeploy
chatbots and Robotic
Processing
Automation (RPA) to
save costs and
improve customer
serviceAvoid costly
gotchasRecognize
ethical concerns and
other risk factors of
using artificial
intelligenceExamine
the secular trends and
how they may impact

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your business Who
This Book Is For
Readers without a
technical background,
such as managers,
looking to understand
AI to evaluate
solutions.

Service Automation
The Fourth Industrial
Revolution
Energize Your
Company's Culture by
Choosing What Really

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Automation Pwc
Matters

Manufacturing 4.0
The Use of Emergent
Technologies in
Manufacturing
Technology, Society
and Beyond
A world-renowned
innovation guru
explains practices
that result in
breakthrough
innovations

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"Ulwick's outcome-driven programs bring discipline and predictability to the often random process of innovation."

-Clayton

Christensen For years, companies have accepted the underlying

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principles that define the customer-driven paradigm--that is, using customer "requirements" to guide growth and innovation. But twenty years into this movement, breakthrough innovations are

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still rare, and most companies find that 50 to 90 percent of their innovation initiatives flop. The cost of these failures to U.S. companies alone is estimated to be well over \$100 billion annually. In

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a book that
challenges
everything you
have learned
about being
customer driven,
internationally
acclaimed
innovation leader
Anthony Ulwick
reveals the secret
weapon behind

Access Free
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Automation Pwc
some of the most
successful
companies of
recent years.
Known as
"outcome-driven"
innovation, this
revolutionary
approach to new
product and
service creation
transforms

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innovation from a
nebulous art into
a rigorous science
from which
randomness and
uncertainty are
eliminated. Based
on more than 200
studies spanning
more than
seventy
companies and

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twenty-five industries, Ulwick contends that, when it comes to innovation, the traditional methods companies use to communicate with customers are the root cause of chronic waste and

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missed

opportunity. In
What Customers
Want, Ulwick
demonstrates that
all popular
qualitative
research methods
yield well-
intentioned but
unfitting and
dreadfully

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misleading information that serves to derail the innovation process. Rather than accepting customer inputs such as "needs," "benefits," "specifications," and "solutions," Ulwick argues that

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researchers should silence the literal "voice of the customer" and focus on the "metrics that customers use to measure success when executing the jobs, tasks or activities they are trying to get

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done." Using these customer desired outcomes as inputs into the innovation process eliminates much of the chaos and variability that typically derails innovation initiatives. With the same

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profound insight,
simplicity, and
uncommon sense
that propelled The
Innovator's
Solution to
worldwide
acclaim, this para
digm-changing
book details an
eight-step
approach that

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uses outcome-driven thinking to dramatically improve every aspect of the innovation process--from segmenting markets and identifying opportunities to creating,

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evaluating, and positioning breakthrough concepts. Using case studies from Microsoft, Johnson & Johnson, AIG, Pfizer, and other leading companies, What Customers Want shows companies

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how to: Obtain
unique customer
inputs that make
predictable
innovation
possible
Recognize
opportunities for
disruption, new
market creation,
and core market
growth--well

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before
competitors do
Identify which
ideas,
technologies, and
acquisitions have
the greatest
potential for
creating customer
value
Systematically
define

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breakthrough
products and
services concepts
Innovation is
fundamental to
success and
business growth.
Offering a proven
alternative to
failed customer-
driven thinking,
this landmark

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book arms you
with the tools to
unleash
innovation, lower
costs, and reduce
failure rates--and
create the
products and
services
customers really
want.

Bachelorarbeit aus

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dem Jahr 2019 im
Fachbereich BWL -
Sonstiges, Note:
1, , Veranstaltung:
Digitalization,
Sprache: Deutsch,
Abstract: Dieses
Papier untersucht
die Auswirkungen
der
Implementierung
von Robotic-Proce

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ss-Automation
(RPA) auf die
Arbeitsbelastung
und den Einfluss
auf die
Arbeitsplätze.
Dadurch wird der
Bereich der RPA
aufgeklärt und
eine Grundlage für
weitere
Forschungen zu

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diesem Thema
geschaffen. Die
Forschung basiert
auf einer
interpretativen
Vorgangsweise
und verwendet
einen empirischen
Ansatz, bei dem
qualitative Daten
durch Interviews
mit

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Führungskräften
und Mitarbeitern
erhoben werden,
die direkt an der
Umsetzung von
RPA beteiligt sind.
Die Ergebnisse
zeigen, dass die
Umsetzung von
RPA zur
Entlastung der
betroffenen

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Arbeitsplätze
beiträgt. Es gab
keine
Beobachtungen,
die darauf
hindeuteten, dass
Arbeitsplätze
abgeschafft
werden. Auch die
aufgestellte
Hypothese, dass
Mitarbeiter sich

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Sorgen um ihren Arbeitsplatz machen wurde verneint. Die eingeführte RPA-Lösung in das Unternehmen PricewaterhouseCoopers (PwC) wird von den Befragten begrüßt. Abzuwarten bleibt

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ob die
Implementierung
auch in der Busy
Season die
Mitarbeiter
entlastet. Darüber
hinaus tragen die
Ergebnisse zur
Bereicherung der
Literatur zur
Automatisierung
bei, indem sie die

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Vorteile und Gefahren von RPA aufzeigen. Die Grenzen der Befunde sind vor allem auf die Größe der Stichprobe zurückzuführen. Abschließend werden die Grenzen der

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Studie und
Empfehlungen für
die zukünftige
Forschung
formuliert.

The book explores
technological
advances in the
fourth industrial
revolution (4IR),
which is based on
a variety of

Access Free
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technologies such
as artificial
intelligence,
Internet of Things,
machine learning,
big data, additive
printing, cloud
computing, and
virtual and
augmented
reality. Critically
analyzing the

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impacts and effects of these disruptive technologies on various areas, including economics, society, business, government, labor, law, and environment, the book also provides

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a broad overview of 4IR, with a focus on technologies, to allow readers to gain a deeper understanding of the recent advances and future trajectories. It is intended for researchers,

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practitioners,
policy-makers and
industry leaders.

Introduction --

China's Sputnik
moment --

Copycats in the
Coliseum --

China's alternate
Internet universe

-- A tale of two
countries -- The

Access Free
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Automation PwC
four waves of AI --
Utopia, dystopia,
and the real AI
crisis -- The
wisdom of cancer
-- A blueprint for
human co-
existence with AI
-- Our global AI
story
Robots, AI, and
Automation

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Automation Pwc

Handbook of
Research on
Knowledge and
Organization
Systems in Library
and Information
Science
Merging
Technologies and
People for the
Workforce of the
Future

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Automation Pwc

Technology and
the Threat of a
Jobless Future
How Technologies
Shape Strategy
and Operations
Robotic Process
Automation
Turning Point
*Written by
prominent
thought leaders*

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Automation Pwc

*in the global
fintech space,
The AI Book
aggregates
diverse expertise
into a single,
informative
volume and
explains what
artificial
intelligence really
means and how it
can be used*

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*across financial
services today.*

*Key industry
developments are
explained in
detail, and
critical insights
from cutting-edge
practitioners
offer first-hand
information and
lessons learned.*

Coverage

Access Free
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includes: •

*Understanding
the AI Portfolio:
from machine
learning to
chatbots, to
natural language
processing (NLP);
a deep dive into
the Machine
Intelligence
Landscape;
essentials on core*

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*technologies,
rethinking
enterprise,
rethinking
industries,
rethinking
humans;
quantum
computing and
next-generation
AI · AI
experimentation
and embedded*

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*usage, and the
change in
business model,
value proposition,
organisation,
customer and co-
worker
experiences in
today's Financial
Services Industry
· The future state
of financial
services and*

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*capital markets –
what's next for
the real-world
implementation
of AITech? · The
innovating
customer – users
are not waiting
for the financial
services industry
to work out how
AI can re-shape
their sector,*

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*profitability and
competitiveness ·
Boardroom issues
created and
magnified by AI
trends, including
conduct,
regulation &
oversight in an
algo-driven
world,
cybersecurity,
diversity &*

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*inclusion, data
privacy, the
'unbundled
corporation' &
the future of
work, social
responsibility,
sustainability,
and the new
leadership
imperatives ·
Ethical
considerations of*

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*deploying AI
solutions and why
explainable AI is
so important
Artificial
Intelligence in
Accounting:
Practical
Applications was
written with a
simple goal: to
provide
accountants with*

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a foundational understanding of AI and its many business and accounting applications. It is meant to serve as a guide for identifying opportunities to implement AI initiatives to increase

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*productivity and
profitability. This
book will help
you answer
questions about
what AI is and
how it is used in
the accounting
profession today.
Offering practical
guidance that you
can leverage for
your*

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organization, this book provides an overview of essential AI concepts and technologies that accountants should know, such as machine learning, deep learning, and natural language processing. It

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*also describes ac
counting-specific
applications of
robotic process
automation and
text mining.*

*Illustrated with
case studies and
interviews with
representatives
from global
professional
services firms,*

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*this concise
volume makes a
significant
contribution to
examining the
intersection of AI
and the
accounting
profession. This
innovative book
also explores the
challenges and
ethical*

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*considerations of
AI. It will be of
great interest to
accounting
practitioners,
researchers,
educators, and
students.*

*Throughout
human history,
technological
advancements
have been made*

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*for the ease of
human labor.
With our most
recent
advancements, it
has been the
work of scholars
to discover ways
for machines to
take over a large
part of this labor
and reduce
human*

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intervention.

*These
advancements
may become
essential
processes to
nearly every
industry. It is
essential to be
knowledgeable
about automation
so that it may be
applied. Research*

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*Anthology on
Cross-
Disciplinary
Designs and
Applications of
Automation is a
comprehensive
resource on the
emerging designs
and application of
automation. This
collection
features a*

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Automation Pwc
*number of
authors spanning
multiple
disciplines such
as home
automation,
healthcare
automation,
government
automation, and
more. Covering
topics such as
human-machine*

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*Automation Pwc
interaction, trust
calibration, and
sensors, this
research
anthology is an
excellent
resource for
technologists, IT
specialists,
computer
engineers,
systems and
software*

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Robotic
Automation Pwc

*engineers,
manufacturers,
engineers,
government
officials,
professors,
students,
healthcare
administration,
managers, CEOs,
researchers, and
academicians.*

With advancing

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*information
technology,
businesses must
adapt to more
efficient
structures that
utilize the latest
in robotics and
machine learning
capabilities in
order to create
optimal human-
robot*

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cooperation.

However, there are vital rising concerns regarding the possible consequences of deploying artificial intelligence, sophisticated robotic technologies,

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*automated
vehicles, self-
managing supply
modes, and
blockchain
economies on
business
performance and
culture, including
how to sustain a
supportive
business culture
and to what*

Access Free
Robotic

Automation Pwc
*extent a strategic
fit between
human-robot
collaboration in a
business
ecosystem can be
created. The
Handbook of
Research on
Strategic Fit and
Design in
Business
Ecosystems is a*

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Automation Pwc
*collection of
innovative
research that
builds a futuristic
view of evolving
business
ecosystems and a
deeper
understanding of
business
transformation
processes in the
new digital*

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Automation Pwc
business era.

*Featuring
research on
topics such as
cultural
hybridization,
Industry 4.0, and
cybersecurity,
this book is
ideally designed
for
entrepreneurs,
executives,*

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*managers,
corporate
strategists,
economists, IT
specialists, IT
consultants,
engineers,
students,
researchers, and
academicians
seeking to
improve their
understanding of*

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Automation Pwc
future

*competitive
business
practices with the
adoption of
robotic and
information
technologies.*

*Implications and
Applications for
Finance and
Accounting
Professionals*

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*Reinventing Jobs
A Non-Technical
Introduction
Organisational
and Ethical
Implications
Robotic Process
Automation (RPA)
in the Financial
Sector
The Critical Few
Process Mining in
Action*

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Build an end-to-end business solution in the cognitive automation

lifecycle and explore UiPath Document Understanding,

UiPath AI Center, and

Druid Key Features

Explore out-of-the-box

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*(00TB) AI Models
in UiPath Learn
how to deploy,
manage, and
continuously
improve machine
learning models
using UiPath AI
Center Deploy Ui
Path-integrated
chatbots and
master UiPath
Document*

Understanding

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Book Description

Artificial intelligence (AI) enables enterprises to optimize business processes that are probabilistic, highly variable, and require cognitive abilities with

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unstructured data. Many believe there is a steep learning curve with AI, however, the goal of our book is to lower the barrier to using AI. This practical guide to AI with UiPath will help RPA developers

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*and tech-savvy
business users
learn how to
incorporate
cognitive
abilities into
business process
optimization.
With the hands-
on approach of
this book,
you'll quickly
be on your way
to implementing*

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*cognitive
automation to
solve everyday
business
problems.
Complete with
step-by-step
explanations of
essential
concepts,
practical
examples, and
self-assessment
questions, this*

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*book will help
you understand
the power of AI
and give you an
overview of the
relevant out-of-
the-box models.
You'll learn
about cognitive
AI in the
context of RPA,
the basics of
machine
learning, and*

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*how to apply
cognitive
automation
within the
development
lifecycle.*

*You'll then put
your skills to
test by building
three use cases
with UiPath*

*Document
Understanding,
UiPath AI*

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*Center, and
Druid. By the
end of this AI
book, you'll be
able to build
UiPath
automations with
the cognitive
capabilities of
intelligent
document
processing,
machine
learning, and*

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chatbots, while understanding the development lifecycle. What you will learn Discover how to bridge the gap between RPA and cognitive automation

Understand how to configure, deploy, and maintain ML

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models in UiPath
Explore 00TB
models to manage
documents,
chats, emails,
and more Prepare
test data and
test cases for
user acceptance
testing (UAT)
Build a UiPath
automation to
act upon Druid
responses Find

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*out how to
connect custom
models to RPA
Who this book is
for AI Engineers
and RPA
developers who
want to upskill
and deploy out-
of-the-box
models using
UiPath's AI
capabilities
will find this*

Access Free Robotic

*Automation PwC
guide useful. A*

basic

*understanding of
robotic process
automation and
machine learning
will be*

*beneficial but
not mandatory to
get started with
this UiPath
book.*

*How to Optimize
Human-Machine*

Access Free Robotic Automation Pwc Work

*Combinations
Your
organization has
made the
decision to
adopt automation
and artificial
intelligence
technologies.
Now, you face
difficult and
stubborn
questions about*

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Automation Pwc

*how to implement
that decision:*

*How, when, and
where should we
apply automation
in our*

*organization? Is
it a stark*

*choice between
humans versus
machines? How do*

*we stay on top
of these*

technological

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trends as work and automation continue to evolve? Work and human capital experts Ravin Jesuthasan and John Boudreau present leaders with a new set of tools to answer these daunting questions.

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*Transcending the
endless debate
about humans
being replaced
by machines,
Jesuthasan and
Boudreau show
how smart
leaders instead
are optimizing
human-automation
combinations
that are not
only more*

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*efficient but
also generate
higher returns
on improved
performance.
Based on
groundbreaking
primary
research,
Reinventing Jobs
provides an
original,
structured
approach of four*

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*distinct steps--
deconstruct,
optimize,
automate, and
reconfigure--to
help leaders
reinvent how
work gets
bundled into
jobs and create
optimal human-
machine
combinations.*

Jesuthasan and

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*Boudreau show
leaders how to
continuously
reexamine what a
job really is,
and they provide
the tools for
identifying the
pivotal
performance
value of tasks
within jobs and
how these tasks
should be*

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*reconstructed
into new, more
optimal
combinations.
With numerous
examples and
practical advice
for applying the
four-step
process,
Reinventing Jobs
gives leaders a
more precise,
planful, and*

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Automation Pwc

*actionable way
to decide how,
when, and where
to apply and
optimize work
automation.*

*Robots and the
Future of Work
Annual Update
for Controllers
The Disruptive
Fourth
Industrial
Revolution*

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Automation Pwc
*Artificial
Intelligence
Basics
Advanced
Robotics and
Intelligent
Automation in
Manufacturing
Artificial
Intelligence and
the Changing
Nature of
Corporations*