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Professional Services Automation Digital Microfluidic Biochips Biomimicry for Optimization, Control, and Automation Issues in Robotics and Automation: 2011 Edition Plug-and-Play Monitoring and Performance Optimization for Industrial Automation Processes Lean and Digitize Post-Parametric Automation in Design and Construction Automate the Boring Stuff with Python, 2nd Edition Trends in Advanced Intelligent Control, Optimization and Automation Mastering Mobile Test Automation Knowledge Automation Robotic Process Automation Automation and Robotics in the Architecture, Engineering, and Construction Industry Site Reliability Engineering Optimization of Automated Software Testing Using Meta-Heuristic Techniques Project Management Next Generation Special Topics in Structural Dynamics & Experimental Techniques, Volume 5 Construction Scheduling, Cost Optimization and Management Integrative Production Technology for High-Wage Countries Automated Technology for Verification and Analysis Advanced Robotics and Intelligent Automation in Manufacturing Automation and Artificial Intelligence in Radiation Oncology The Shortcut Guide to Virtualization and Service Automation Automation and Control Introducing and Managing Academic Library Automation Projects Business Information Systems and Technology 4.0 Evolutionary and Deterministic Methods for Design Optimization and Control With Applications to Industrial and Societal Problems Sustainability Management Strategies and Impact in Developing Countries Gas Well Deliquification Intelligent Data Engineering and Automated Learning -- IDEAL 2012 Artificial Intelligence for Business Optimization Optimization in HPLC Advances in Manufacturing Technology Fuzzy Hybrid Computing in Construction Engineering and Management Manufacturing Automation Technology and System II The Road to a Modern IT Factory Guidance for Optimizing Nuclear Power Plant Maintenance Programmes Optimization and Control Methods in Industrial Engineering and Construction Design For Manufacturability Work at Home with a Real Online Job

Lean and Digitize May 26 2022 Lean and Six Sigma initiatives are designed to enable sustained improvements in your company or organization's efficiency and competitiveness. As with other improvement strategies they are dependent on two things, effective management and your ability to automate or digitize
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elements of your business process. Lean and Digitize provides you with a convincing picture of each of these elements (process improvement, digitization and the management of both) to help you eliminate waste, improve process and service, and better align your information and communications technology with your strategic objectives. Bernardo

Nicoletti analyses and reviews the development of automation and telecommunications systems in the context of quality management and process improvement. He uses case examples to illustrate organizational and management approaches to implementation. These, along with his practical guidance, will help you make sense of the complexity, benefits and

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interrelations between these different elements. The text shows you on the one hand, how to integrate information and communication systems into your process improvement projects and, on the other, how to align information and communication projects with your quality strategy. Without a holistic approach to technology and quality improvement, your initiatives run the risk of being misdirected or simply running out of steam. Changes of this kind will never be easy but at least if you follow the advice in Lean and Digitize you will significantly increase your chances of success.

Plug-and-Play Monitoring and Performance Optimization for Industrial Automation Processes

Jun 26 2022 Dr.-Ing. Hao Luo demonstrates the developments of advanced plug-and-play (PnP) process monitoring and control systems for industrial automation processes. With aid of the so-called Youla parameterization, a novel PnP process monitoring and control architecture (PnP-PMCA) with modularized components is proposed. To validate the developments, a case study on an industrial rolling mill benchmark is performed, and the real-time implementation on a laboratory brushless DC motor is presented.

Robotic Process Automation Nov 19 2021 This book brings together experts from research and practice. It includes the design of innovative Robot Process Automation (RPA) concepts, the discussion of related research fields (e.g.,
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Artificial Intelligence, AI), the evaluation of existing software products, and findings from real-life implementation projects. Similar to the substitution of physical work in manufacturing (blue collar automation), Robotic Process Automation tries to substitute intellectual work in office and administration processes with software robots (white-collar automation). The starting point for the development of RPA was the observation that - despite the use of process-oriented enterprise systems (such as ERP, CRM and BPM systems) - additional manual activities are still indispensable today. In the RPA approach, these manual activities are learned and automated by software robots, either by defining rules or by observing manual activities. RPA is related to business process management, machine learning, and artificial intelligence. Tools for RPA originated from dedicated stand-alone software. Today, RPA functionalities are also integrated into elaborated process management suites. From a conceptual perspective, RPA can be structured into input components (sensors in the wide sense), an intelligence center, and output components (actuators in the wide sense). From a strategic perspective, the impact of RPA can be related to the support of existing tasks, the complete substitution of human activities, and the innovation of processes as well as business models. At present, high expectations are related to the use of RPA in the improvement of software-supported business processes. Manual activities are learned and automated by

software robots that interact with existing applications via the presentation layer. In combination with artificial intelligence (AI) as well as innovative interfaces (e. g., voice recognition) RPA creates a novel level of automation for office and administration processes. Its benefit potential reaches a return on investment (ROI) up-to 800% that is documented in various case studies.

Mastering Mobile Test Automation Jan 22 2022 If you want a complete understanding of mobile automation testing and its practical implementation, then this book is for you. Familiarity with the basics of VB Script and Java along with knowledge of basic testing concepts is essential.

Integrative Production Technology for High-Wage Countries Apr 12 2021 Industrial production in high-wage countries like Germany is still at risk. Yet, there are many counter-examples in which producing companies dominate their competitors by not only compensating for their specific disadvantages in terms of factor costs (e.g. wages, energy, duties and taxes) but rather by minimising waste using synchronising integrativity as well as by obtaining superior adaptivity on alternating conditions. In order to respond to the issue of economic sustainability of industrial production in high-wage countries, the leading production engineering and material research scientists of RWTH Aachen University together with renowned companies have established the Cluster of Excellence

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“Integrative Production Technology for High-Wage Countries”. This compendium comprises the cluster’s scientific results as well as a selection of business and technology cases, in which these results have been successfully implemented into industrial practice in close cooperation with more than 30 companies of the industrial production sector.

Project Management Next Generation Jul 16 2021 PROJECT MANAGEMENT NEXT GENERATION Strategic guidance on enabling transformational change in the project management landscape In Project Management Next Generation: The Pillars for Organizational Excellence, a team of world-renowned project management leaders delivers an expert discussion on project management implementation in organizations of all kinds. The book explores 10 pillars of project management that will be critical for companies in the coming decade. It offers contributions from industry changemakers and thought leaders that provide the perfect balance between practical experience across a variety of programs, projects, and transformation initiatives. It’s a must-have title for practicing project managers who seek hands-on guidance and insightful case studies complete with discussion questions and instruction materials, including PowerPoint lecture slides and a full Instructors Manual on the companion website. In addition to the perspectives of several global commercial organizations on the project management industry’s future, readers will
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find: Thorough introductions to project management as a strategic competency and corporate project management cultures Comprehensive explorations of workforce upskilling and defining project success Practical discussions of flexible project management frameworks and flexible life cycle phases and project governance In-depth examinations of value-driven project management and metrics, as well as metrics for intangible assets, and strategic metrics Perfect for mid-level corporate, project, and team managers, as well as executives and business consultants, Project Management Next Generation: The Pillars for Organizational Excellence will also earn a place in the libraries of students in courses on advanced project management at the upper-level undergraduate and graduate levels.

The Road to a Modern IT Factory Oct 26 2019 IT is currently going through one of its most critical phases of transformation. IT vendors and IT service organizations are revolutionizing their production and service processes, adopting industrial practices. It is only through the consistent transformation into factory-like structures that quality, effectiveness and efficiency can be increased. By integrating professional concepts and methods taken from the context of industrial production, it is possible to meet functional and qualitative requirements from the departments and therefore from the end user. On top of that this new paradigm enables the implementation

of optimal processes in the organization. An interdisciplinary team of authors addresses the current challenges for global IT services organizations and describes the process of IT industrialization. The transformation of the IT industry towards the model of an IT factory is the core theme of this book, which takes the latest findings from applied research, consulting and IT business practices and combines them into a consistent and innovative approach to IT services.

The Shortcut Guide to Virtualization and Service Automation Dec 09 2020

Design For Manufacturability Jul 24 2019 This work on a systems approach to ergonomic design-manufacturing includes information on ease of manual/automatic assembly, biomechanical, cognitive and perceptual workload, task allocation, job satisfaction, socio-technical systems design,

Special Topics in Structural Dynamics & Experimental Techniques, Volume 5 Jun 14

2021 Special Topics in Structural Dynamics & Experimental Techniques, Volume 5: Proceedings of the 38th MAC, A Conference and Exposition on Structural Dynamics, 2020, the fifth volume of eight from the Conference brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on fundamental and applied aspects of Structural Dynamics, including papers on: Analytical Methods Emerging Technologies for Structural Dynamics Engineering Extremes

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Experimental Techniques Finite Element
Techniques General Topics

**Evolutionary and Deterministic Methods
for Design Optimization and Control With
Applications to Industrial and Societal
Problems**

Aug 05 2020 This book contains thirty-five selected papers presented at the International Conference on Evolutionary and Deterministic Methods for Design, Optimization and Control with Applications to Industrial and Societal Problems (EUROGEN 2017). This was one of the Thematic Conferences of the European Community on Computational Methods in Applied Sciences (ECCOMAS).

Topics treated in the various chapters reflect the state of the art in theoretical and numerical methods and tools for optimization, and engineering design and societal applications. The volume focuses particularly on intelligent systems for multidisciplinary design optimization (mdo) problems based on multi-hybridized software, adjoint-based and one-shot methods, uncertainty quantification and optimization, multidisciplinary design optimization, applications of game theory to industrial optimization problems, applications in structural and civil engineering optimum design and surrogate models based optimization methods in aerodynamic design.

Post-Parametric Automation in Design and Construction Apr 24 2022 Automation, a mixture of algorithms, robots, software, and avatars, is transforming all types of jobs and industries. This book responds to one critical
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question for the design and construction industry: “how are architects, engineers, and contractors using information technology to further automate their practices?” Addressing the use of new digital technologies, particularly parametric automation for design and construction in the building industry, this book looks at how technologically advanced architectural and engineering practices are semi-automating their design processes by using sophisticated algorithms to transform their workflows. The book also documents a set of firms that are further advancing automation by using pre-fabrication, modularization, and custom designs via robotics.

**Automate the Boring Stuff with Python,
2nd Edition** Mar 24 2022 The second edition of this best-selling Python book (over 500,000 copies sold!) uses Python 3 to teach even the technically uninclined how to write programs that do in minutes what would take hours to do by hand. There is no prior programming experience required and the book is loved by liberal arts majors and geeks alike. If you've ever spent hours renaming files or updating hundreds of spreadsheet cells, you know how tedious tasks like these can be. But what if you could have your computer do them for you? In this fully revised second edition of the best-selling classic Automate the Boring Stuff with Python, you'll learn how to use Python to write programs that do in minutes what would take you hours to do by hand--no prior programming experience required. You'll learn the basics of

Python and explore Python's rich library of modules for performing specific tasks, like scraping data off websites, reading PDF and Word documents, and automating clicking and typing tasks. The second edition of this international fan favorite includes a brand-new chapter on input validation, as well as tutorials on automating Gmail and Google Sheets, plus tips on automatically updating CSV files. You'll learn how to create programs that effortlessly perform useful feats of automation to:

- Search for text in a file or across multiple files
- Create, update, move, and rename files and folders
- Search the Web and download online content
- Update and format data in Excel spreadsheets of any size
- Split, merge, watermark, and encrypt PDFs
- Send email responses and text notifications
- Fill out online forms

Step-by-step instructions walk you through each program, and updated practice projects at the end of each chapter challenge you to improve those programs and use your newfound skills to automate similar tasks. Don't spend your time doing work a well-trained monkey could do. Even if you've never written a line of code, you can make your computer do the grunt work. Learn how in Automate the Boring Stuff with Python, 2nd Edition.

[Optimization and Control Methods in Industrial Engineering and Construction](#) Aug 24 2019 This book presents recent advances in optimization and control methods with applications to industrial engineering and construction management. It consists of 15

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chapters authored by recognized experts in a variety of fields including control and operation research, industrial engineering and project management. Topics include numerical methods in unconstrained optimization, robust optimal control problems, set splitting problems, optimum confidence interval analysis, a monitoring networks optimization survey, distributed fault detection, nonferrous industrial optimization approaches, neural networks in traffic flows, economic scheduling of CCHP systems, a project scheduling optimization survey, lean and agile construction project management, practical construction projects in Hong Kong, dynamic project management, production control in PC4P and target contracts optimization. The book offers a valuable reference work for scientists, engineers, researchers and practitioners in industrial engineering and construction management.

Trends in Advanced Intelligent Control, Optimization and Automation Feb 20 2022

This volume contains the proceedings of the KKA 2017 - the 19th Polish Control Conference, organized by the Department of Automatics and Biomedical Engineering, AGH University of Science and Technology in Kraków, Poland on June 18-21, 2017, under the auspices of the Committee on Automatic Control and Robotics of the Polish Academy of Sciences, and the Commission for Engineering Sciences of the Polish Academy of Arts and Sciences. Part 1 deals with general issues of modeling and
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control, notably flow modeling and control, sliding mode, predictive, dual, etc. control. In turn, Part 2 focuses on optimization, estimation and prediction for control. Part 3 is concerned with autonomous vehicles, while Part 4 addresses applications. Part 5 discusses computer methods in control, and Part 6 examines fractional order calculus in the modeling and control of dynamic systems. Part 7 focuses on modern robotics. Part 8 deals with modeling and identification, while Part 9 deals with problems related to security, fault detection and diagnostics. Part 10 explores intelligent systems in automatic control, and Part 11 discusses the use of control tools and techniques in biomedical engineering. Lastly, Part 12 considers engineering education and teaching with regard to automatic control and robotics.

Automation and Robotics in the Architecture, Engineering, and Construction Industry Oct 19 2021

Automation and Robotics in the Architecture, Engineering, and Construction Industry provides distinct and unified insight into current and future construction robotics, offering readers a comprehensive perspective for constructing a road map and illuminating improvements for a successful transition towards construction robotization. The book covers the fundamentals and applications of robotics, autonomous vehicles, and human-perceptive machines at construction sites. Through theoretical and experimental analyses,

it examines the potential of robotics and automated systems for current and future fieldwork operations and identifies the factors that determine their implementation pace, adoption scale, and ubiquity throughout the industry. The book evaluates the technical, societal, and economic aspects of adopting robots in construction, both as standalone and collaborative systems, which in return can afford the opportunity to investigate these AI-enabled machines more systematically. Provides promising solutions to transform and reinvent the construction industry; Discusses the application of construction site robotics and automation; Includes case studies from around the world.

Construction Scheduling, Cost Optimization and Management May 14 2021

Construction Scheduling, Cost Optimization and Management presents a general mathematical formula for the scheduling of construction projects. Using this formula, repetitive and non-repetitive tasks, work continuity considerations, multiple-crew strategies, and the effects of varying job conditions on the performance of a crew can be modelled. This book presents an entirely new approach to the construction scheduling problem. It provides a practical methodology which will be of great benefit to all those involved in construction scheduling and cost optimization, including construction engineers, highway engineers, transportation engineers, contractors and architects. It will also be useful

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for researchers, and graduates on courses in construction scheduling and planning.

Intelligent Data Engineering and Automated Learning -- IDEAL 2012

May 02 2020 This book constitutes the refereed proceedings of the 13th International Conference on Intelligent Data Engineering and Automated Learning, IDEAL 2012, held in Natal, Brazil, in August 2012. The 100 revised full papers presented were carefully reviewed and selected from more than 200 submissions for inclusion in the book and present the latest theoretical advances and real-world applications in computational intelligence.

Automation and Control Nov 07 2020 Advances in automation and control today cover many areas of technology where human input is minimized. This book discusses numerous types and applications of automation and control. Chapters address topics such as building information modeling (BIM)-based automated code compliance checking (ACCC), control algorithms useful for military operations and video games, rescue competitions using unmanned aerial-ground robots, and stochastic control systems.

Introducing and Managing Academic Library Automation Projects

Oct 07 2020 Though automation in libraries has become more common, many academic libraries still lack automation of any kind. This professional reference is a guide to the forecasting, planning, implementing, and monitoring necessary for the successful management of
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academic library automation projects. Chapters are written by expert contributors, who combine their personal experiences with solid background information on the theory and practice of library automation.

Professional Services Automation Oct 31 2022 PRAISE FOR Professional Services Automation "SPO/PSA should be viewed by the market as a cost of doing business or, in other words, a competitive necessity for conducting business in the services economy." -Ted Kempf, Principal Analyst, Gartner "The depth and breadth of coverage is extraordinary. Any professional or firm considering the implementation of PSA must stop here first-to make a PSA decision without consulting this book first would be foolish." -Rick Freedman, author, The IT Consultant and The eConsultant "I have requested each and every department in my organization to look at their respective chapters for incredible insight and concrete solutions." -Jean Denis Talon, President and CEO, AXA "This is the reference book that you need to pick up and consider periodically as you plan, analyze, select, and roll out enterprise software." -Stuart Sackman, Vice President, ADP "This book is a perfect starting point for any organization wishing to improve their services delivery through the implementation of a PSA product. It provides a clear overview of all of the aspects to consider when evaluating PSA products as well as how to avoid the stumbling blocks to successful PSA implementation." -Michael Lines, PMP,

Publisher, allPM.com-The Project Manager's Homepage "This guide addresses appropriately the subject of project management as an integral component of the PSA business environment-a sensible and pragmatic approach." -Lloyd Bartlett, P. Eng., MBA, PMP, Lecturer in Project Management, McGill University

Optimization in HPLC Feb 29 2020 Learn to maximize the performance of your HPLC or UHPLC system with this resource from leading experts in the field Optimization in HPLC: Concepts and Strategies delivers tried-and-tested strategies for optimizing the performance of HPLC and UHPLC systems for a wide variety of analytical tasks. The book explains how to optimize the different HPLC operation modes for a range of analyses, including small molecules, chiral substances, and biomolecules. It also shows readers when and how computational tools may be used to optimize performance. The practice-oriented text describes common challenges faced by users and developers of HPLC and UHPLC systems, as well as how those challenges can be overcome. Written for first-time and experienced users of HPLC technology and keeping pace with recent developments in HPLC instrumentation and operation modes, this comprehensive guide leaves few questions unanswered. Readers will also benefit from the inclusion of: A thorough introduction to optimization strategies for different modes and uses of HPLC, including working under

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regulatory constraints An exploration of computer aided HPLC optimization, including ChromSwordAuto and Fusion QbD A treatment of current challenges for HPLC users in industry as well as large and small analytical service providers Discussions of current challenges for HPLC equipment suppliers Tailor-made for analytical chemists, chromatographers, pharmacologists, toxicologists, and lab technicians, Optimization in HPLC: Concepts and Strategies will also earn a place on the shelves of analytical laboratories in academia and industry who seek a one-stop reference for optimizing the performance of HPLC systems.

Biomimicry for Optimization, Control, and Automation Aug 29 2022 Biomimicry uses our scientific understanding of biological systems to exploit ideas from nature in order to construct some technology. In this book, we focus on how to use biomimicry of the functional operation of the “hardware and software” of biological systems for the development of optimization algorithms and feedback control systems that extend our capabilities to implement sophisticated levels of automation. The primary focus is not on the modeling, emulation, or analysis of some biological system. The focus is on using “bio-inspiration” to inject new ideas, techniques, and perspective into the engineering of complex automation systems. There are many biological processes that, at some level of abstraction, can

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be represented as optimization processes, many of which have as a basic purpose automatic control, decision making, or automation. For instance, at the level of everyday experience, we can view the actions of a human operator of some process (e. g. , the driver of a car) as being a series of the best choices he or she makes in trying to achieve some goal (staying on the road); emulation of this decision-making process amounts to modeling a type of biological optimization and decision-making process, and implementation of the resulting algorithm results in “human mimicry” for automation. There are clearer examples of biological optimization processes that are used for control and automation when you consider nonhuman biological or behavioral processes, or the (internal) - ology of the human and not the resulting external behavioral characteristics (like driving a car). For instance, there are homeostasis processes where, for instance, temperature is regulated in the human body. Digital Microfluidic Biochips Sep 29 2022 Microfluidics-based biochips combine electronics with biochemistry, providing access to new application areas in a wide variety of fields. Continued technological innovations are essential to assuring the future role of these chips in functional diversification in biotech, pharmaceuticals, and other industries. Revolutionary guidance on design, optimization Knowledge Automation Dec 21 2021 A proven decision management methodology for

increased profits and lowered risks Knowledge Automation: How to Implement Decision Management in Business Processes describes a simple but comprehensive methodology for decision management projects, which use business rules and predictive analytics to optimize and automate small, high-volume business decisions. It includes Decision Requirements Analysis (DRA), a new method for taking the crucial first step in any IT project to implement decision management: defining a set of business decisions and identifying all the information—business knowledge and data—required to make those decisions. Describes all the stages in automating business processes, from business process modeling down to the implementation of decision services Addresses how to use business rules and predictive analytics to optimize and automate small, high-volume business decisions Proposes a simple “top-down” method for defining decision requirements and representing them in a single diagram Shows how clear requirements can allow decision management projects to be run with reduced risk and increased profit Nontechnical and accessible, Knowledge Automation reveals how DRA is destined to become a standard technique in the business analysis and project management toolbox.

Site Reliability Engineering Sep 17 2021 The overwhelming majority of a software system’s lifespan is spent in use, not in design or implementation. So, why does conventional

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wisdom insist that software engineers focus primarily on the design and development of large-scale computing systems? In this collection of essays and articles, key members of Google's Site Reliability Team explain how and why their commitment to the entire lifecycle has enabled the company to successfully build, deploy, monitor, and maintain some of the largest software systems in the world. You'll learn the principles and practices that enable Google engineers to make systems more scalable, reliable, and efficient—lessons directly applicable to your organization. This book is divided into four sections: Introduction—Learn what site reliability engineering is and why it differs from conventional IT industry practices Principles—Examine the patterns, behaviors, and areas of concern that influence the work of a site reliability engineer (SRE) Practices—Understand the theory and practice of an SRE's day-to-day work: building and operating large distributed computing systems Management—Explore Google's best practices for training, communication, and meetings that your organization can use

Issues in Robotics and Automation: 2011 Edition Jul 28 2022 Issues in Robotics and Automation / 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Robotics and Automation. The editors have built Issues in Robotics and Automation: 2011 Edition on the vast information databases

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of ScholarlyNews.™ You can expect the information about Robotics and Automation in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Robotics and Automation: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Advances in Manufacturing Technology Jan 28 2020 Volume is indexed by Thomson Reuters CPCI-S (WoS). The studies presented here cover composites, micro/nano-materials and equipment, metallic alloys, steels, polymer materials, optical/electronic/magnetic materials, energy materials and new energy technology, environmentally-friendly materials and waste utilization, biomaterials and preparation technology, thin films, structural materials and earthquake-resistant structures, functional materials, surface-engineering/coatings, modeling, analysis and simulation, materials processing technology, laser-processing technology, mechanical behavior and fracture, tooling testing and evaluation of materials, thermal engineering theory and applications, detection and control

technology.

Optimization of Automated Software Testing Using Meta-Heuristic Techniques Aug 17 2021 This book provides awareness of different evolutionary methods used for automatic generation and optimization of test data in the field of software testing. While the book highlights on the foundations of software testing techniques, it also focuses on contemporary topics for research and development. This book covers the automated process of testing in different levels like unit level, integration level, performance level, evaluation of testing strategies, testing in security level, optimizing test cases using various algorithms, and controlling and monitoring the testing process etc. This book aids young researchers in the field of optimization of automated software testing, provides academics with knowledge on the emerging field of AI in software development, and supports universities, research centers, and industries in new projects using AI in software testing. Supports the advancement in the artificial intelligence used in software development; Advances knowledge on artificial intelligence based metaheuristic approach in software testing; Encourages innovation in traditional software testing field using recent artificial intelligence. ·

Work at Home with a Real Online Job Jun 22 2019 Find the Job You Want . . . Today! Are you a work at home mom or dad, retiree, or disabled person hoping to earn a little extra to

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make ends meet? Are you seeking a legitimate, rewarding online job you can do from home? Do you dream of being in charge of your own schedule, income, advancement . . . destiny? If you said yes to any of these questions, this book is for you! In *Work at Home with a Real Job Online* you can find just the right job, schedule, income, and future with the help of a leading expert in the field of online job success and prosperity, AnnaMaria Bliven. Known as the "Prosperity Princess" by thousands of people she has helped, Bliven has poured her latest and greatest practical, proven-effective insights into this one information-packed (no filler), easy-to-use volume. In these pages you'll find:

- Hundreds of real jobs with quality companies at your fingertips!
- Pro tips and advice on how to find these jobs, get hired, keep the job you find and advance in it!
- Opportunities for people of all ages and stages: teenagers, college students, work at home moms and dads, military veterans, retirees, the disabled, those with background/credit issues, and more.
- Positions to match just about any interest, passion, potential, or skill set: game tester, customer service agent, educator, data entry specialist, nurse, medical coding specialist, transcriptionist, translator, interpreter, artist, writer, computer technologist, and many more.

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Advanced Robotics and Intelligent

Automation in Manufacturing Feb 08 2021

While human capabilities can withstand broad
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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 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 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 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. *Manufacturing Automation Technology and System II* Nov 27 2019 This special issue of *Key Engineering Materials* journal is to communicate the latest progress and research of new theory, technology, method, equipment in materials processing and manufacturing automation technology field, and to grasp the forefront technological and research trends worldwide, which will drive international communication and cooperation of production, education and research in this field. The major topics covered by the special issue include

Experience and Paper of Education in Special Machining Technology, Process Monitoring and Quality Control of Manufacturing Systems, Industrial Robot Technology, Agile Manufacturing, Intelligent Manufacturing, Green Manufacturing, Virtual Manufacturing, Networked Manufacturing, Computer Integrated Manufacturing System and Contemporary Integrated Manufacturing System, Product Lifecycle Management, Computerized Numerical Control System and Flexible Manufacturing System, Precision Machining Technology, CAD/CAE/CAPP/CAM and Application of Product Data Management, Logistics Engineering and Equipment and Other Related Topics and so on. The guest editors would like to thank the contributors of papers, the reviewers and the *Key Engineering Materials* journal for helping put together this special issue.

Guidance for Optimizing Nuclear Power Plant Maintenance Programmes Sep 25 2019 The objective of the project on Optimization of Nuclear Power Plant Overall Performance within the IAEA's subprogramme of Nuclear Power Planning, Implementation and Performance is to systematically improve the overall performance and competitiveness of nuclear power plants (NPPs) with due regard to safety through the application of technological and engineering best practices, including quality assurance/quality management, and the utilization of relevant databases. As an integrated part of this project, the Technical

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Working Group on Life Management of NPPs deals with the managerial and engineering aspects of NPP maintenance, its optimization process with special regard to the importance of condition monitoring in maintenance strategies and the contribution of maintenance to managing the lifetime of operating NPPs. This publication was developed in the above framework with the objective to collect and analyse proven maintenance optimization methods and techniques (engineering and organizational) in Member States.

Sustainability Management Strategies and Impact in Developing Countries Jul 04 2020 Strategies and Impact in Developing Countries emphasizes the research of sustainability management and strategies in developing countries providing information to the public, researchers, planners, and stakeholders dealing with sustainability management and strategies, particularly for developing and emerging economic countries.

Automated Technology for Verification and Analysis Mar 12 2021 This book constitutes the refereed proceedings of the Second International Conference on Automated Technology for Verification and Analysis, ATVA 2004, held in Taipei, Taiwan in October/November 2004. The 24 revised full papers presented together with abstracts of 6 invited presentations and 7 special track papers were carefully reviewed and selected from 69 submissions. Among the topics addressed are model-checking theory, theorem-proving
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theory, state-space reduction techniques, languages in automated verification, parametric analysis, optimization, formal performance analysis, real-time systems, embedded systems, infinite-state systems, Petri nets, UML, synthesis, and tools.

Fuzzy Hybrid Computing in Construction Engineering and Management Dec 29 2019

This book is a guide for students, researchers, and practitioners to the latest developments in fuzzy hybrid computing in construction engineering and management. It discusses basic theory related to fuzzy logic and fuzzy hybrid computing, their application in a range of practical construction problems, and emerging and future research trends.

Gas Well Deliquification Jun 02 2020 Liquid loading can reduce production and shorten the lifecycle of a well costing a company millions in revenue. A handy guide on the latest techniques, equipment, and chemicals used in de-watering gas wells, Gas Well Deliquification, 2nd Edition continues to be the engineer's choice for recognizing and minimizing the effects of liquid loading. The 2nd Edition serves as a guide discussing the most frequently used methods and tools used to diagnose liquid loading problems and reduce the detrimental effects of liquid loading on gas production. With new extensive chapters on Coal Bed Methane and Production this is the essential reference for operating engineers, reservoir engineers, consulting engineers and service companies who supply gas well equipment. It provides

managers with a comprehensive look into the methods of successful Production Automation as well as tools for the profitable use, production and supervision of coal bed gases. • Turnkey solutions for the problems of liquid loading interference • Based on decades of practical, easy to use methods of de-watering gas wells • Expands on the 1st edition's useful reference with new methods for utilizing Production Automation and managing Coal Bed Methane

Artificial Intelligence for Business

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representation of knowledge, human-computer interaction and business optimization. The trends discussed include artificial intelligence, virtual reality, robotics, blockchain, and many more. Professors and researchers who conduct research and teach at the interface between academia and business present the latest advances in their field. The book adopts the philosophy of applied sciences and combines

both rigorous research and practical applications. As such, it addresses the needs of both professors and researchers, who are constantly seeking inspiration, and of managers seeking to tap the potential of the latest trends to take their business to the next level. Readers will find answers to pressing questions that arise in their daily work.