

# Spring Batch Essentials Rao P Raja Malleswara

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*Scaling Software Agility* - Dean Leffingwell  
2007-02-26

“Companies have been implementing large agile projects for a number of years, but the ‘stigma’ of ‘agile only works for small projects’ continues to be a frequent barrier for newcomers and a rallying cry for agile critics. What has been missing from the agile literature is a solid, practical book on the specifics of developing large projects in an agile way. Dean Leffingwell’s book *Scaling Software Agility* fills this gap admirably. It offers a practical guide to large project issues such as architecture, requirements development, multi-level release planning, and team organization. Leffingwell’s book is a necessary guide for large projects and large organizations making the transition to agile development.” —Jim Highsmith, director, Agile Practice, Cutter Consortium, author of *Agile Project Management* “There’s tension between building software fast and delivering software that lasts, between being ultra-responsive to changes in the market and maintaining a degree of stability. In his latest work, *Scaling Software Agility*, Dean Leffingwell shows how to achieve a pragmatic balance among these forces. Leffingwell’s observations of the problem, his advice on the solution, and his description of the resulting best practices come from experience: he’s been there, done that, and has seen what’s worked.” —Grady Booch, IBM Fellow Agile development practices, while still controversial in some circles, offer undeniable benefits: faster time to market,

better responsiveness to changing customer requirements, and higher quality. However, agile practices have been defined and recommended primarily to small teams. In *Scaling Software Agility*, Dean Leffingwell describes how agile methods can be applied to enterprise-class development. Part I provides an overview of the most common and effective agile methods. Part II describes seven best practices of agility that natively scale to the enterprise level. Part III describes an additional set of seven organizational capabilities that companies can master to achieve the full benefits of software agility on an enterprise scale. This book is invaluable to software developers, testers and QA personnel, managers and team leads, as well as to executives of software organizations whose objective is to increase the quality and productivity of the software development process but who are faced with all the challenges of developing software on an enterprise scale.

**Techno-Societal 2020** - Prashant M. Pawar  
2021-06-19

This book, divided in two volumes, originates from *Techno-Societal 2020: the 3rd International Conference on Advanced Technologies for Societal Applications*, Maharashtra, India, that brings together faculty members of various engineering colleges to solve Indian regional relevant problems under the guidance of eminent researchers from various reputed organizations. The focus of this volume is on technologies that help develop and improve

society, in particular on issues such as advanced and sustainable technologies for manufacturing processes, environment, livelihood, rural employment, agriculture, energy, transport, sanitation, water, education. This conference aims to help innovators to share their best practices or products developed to solve specific local problems which in turn may help the other researchers to take inspiration to solve problems in their region. On the other hand, technologies proposed by expert researchers may find applications in different regions. This offers a multidisciplinary platform for researchers from a broad range of disciplines of Science, Engineering and Technology for reporting innovations at different levels.

*Computational Neuroscience Models of the Basal Ganglia* - V. Srinivasa Chakravarthy  
2018-03-21

The book is a compendium of the aforementioned subclass of models of Basal Ganglia, which presents some the key existent theories of Basal Ganglia function. The book presents computational models of basal ganglia-related disorders, including Parkinson's disease, schizophrenia, and addiction. Importantly, it highlights the applications of understanding the role of the basal ganglia to treat neurological and psychiatric disorders. The purpose of the present book is to amend and expand on James Houk's book (MIT press; ASIN: B010BF4U9K) by providing a comprehensive overview on computational models of the basal ganglia. This book caters to researchers and academics from the area of computational cognitive neuroscience.

**Proceedings of 2nd International Conference on Intelligent Computing and Applications** - P. Deiva Sundari 2016-10-12  
Second International Conference on Intelligent Computing and Applications was the annual research conference aimed to bring together researchers around the world to exchange research results and address open issues in all aspects of Intelligent Computing and Applications. The main objective of the second edition of the conference for the scientists, scholars, engineers and students from the academia and the industry is to present ongoing research activities and hence to foster research relations between the Universities and the

Industry. The theme of the conference unified the picture of contemporary intelligent computing techniques as an integral concept that highlights the trends in computational intelligence and bridges theoretical research concepts with applications. The conference covered vital issues ranging from intelligent computing, soft computing, and communication to machine learning, industrial automation, process technology and robotics. This conference also provided variety of opportunities for the delegates to exchange ideas, applications and experiences, to establish research relations and to find global partners for future collaboration.

**IAP Textbook of Pediatrics** - A Parthasarathy  
2016-04-30

IAP Textbook of Pediatrics is the latest edition of this extensive textbook, which highlights the substantial advances in preventive and therapeutic care in paediatrics since the last edition. This edition has been thoroughly revised and reorganised into a single volume, enhanced by nearly 1200 full colour images and illustrations which allow for quick and easy reference. New content and topics in this edition include new IAP growth charts, human milk banking, and survival of childhood cancer.

Integrative Plant Biochemistry - John Romeo  
2006-09-26

The publication of this volume marks the 40th anniversary of the Recent Advances in Phytochemistry series which has essentially documented a history of the origins of Phytochemistry. The 45th annual meeting of the Phytochemical Society of North America (PSNA) was held July 13-August 3, 2005 in La Jolla, California, USA. The meeting was hosted by the Salk Institute for Biological Studies. The theme of the meeting was - Integrative Plant Biochemistry as we Approach 2010. The focus was "to celebrate the past accomplishments of the PSNA and its focus, the growing importance of phytochemistry and plant biochemistry to the public, and to set a course for the future, by linking the past with the present and attracting a wider breath of scientists and disciplines to the society." Integrative Plant Biochemistry summarizes a number of important methodological approaches and innovative techniques that were discussed at the meeting:

Biosynthesis and Regulation of Signaling Molecules Conservation and Divergence in Enzyme Function Translational Opportunities in Plant Biochemistry Temporal and Spatial Regulation of Metabolism Lipids, Fatty Acids and Related Molecules Metabolic Networks Each chapter in this volume concludes with a short summary and addresses the expected future directions of the work. The series marks the transition and progression of the dramatic integration of classical phytochemistry into molecular plant biology. Explores the growing importance of phytochemistry and biochemistry Discusses important methodological approaches and innovative techniques Representation from a unique interdisciplinary forum of scientists at the 45th Annual meeting of the Phytochemical Society of North America

**Higher Education and Professional Ethics** - Satya Sundar Sethy 2018-03-28

This book discusses the significance, relevance, and usefulness of professional ethics in the context of higher education. It highlights the pivotal role of professional ethics in offering teachers a better understanding of their responsibilities, duties, rights, and institutional obligations as they work to provide quality education. The volume investigates the connection between the adoption of professional ethics by individual faculty members in higher education and the development of work cultures in higher educational institutions. It explores the requisite modifications of the Teachers' Code of Ethics in relation to the usage of Information and Communication Technologies (ICTs) in teaching-learning platforms. While examining the validity, reliability, and application of professional ethics in the higher education sector, the book also illustrates the application of codes of ethics to resolve conflicting interests and commitments. This book will be useful to scholars and researchers in higher education, the philosophy of education, applied ethics, public policy, and the social sciences.

Neuroanaesthesia - Michael Nathanson 2011-03-31

This is the first book on the market which addresses the need for a pocket-sized guide to neuroanaesthesia, including the immediate and ongoing care of head injured patients.

*Advances in Waste Management* - Ajay S.

Kalamdhad 2018-06-22

This book presents some of the latest technologies in waste management, and emphasizes the benefits that can be gained from the use of recycled products. Divided into four sections, it deals with phytoremediation, aquatic weed management and the treatment of solid- and water-based wastes, such as those arising from agricultural, industrial and medical activities. With its special emphasis on the utilization of recycled products, this volume will be of interest to students, academicians, policy makers and others who have a practical and academic interest in dealing with the waste society generates.

**Smart Intelligent Computing and Applications** - Suresh Chandra Satapathy 2019

The proceedings covers advanced and multi-disciplinary research on design of smart computing and informatics. The theme of the book broadly focuses on various innovation paradigms in system knowledge, intelligence and sustainability that may be applied to provide realistic solution to varied problems in society, environment and industries. The volume publishes quality work pertaining to the scope of the conference which is extended towards deployment of emerging computational and knowledge transfer approaches, optimizing solutions in varied disciplines of science, technology and healthcare.

**The Productive Programmer** - Neal Ford 2008-07-03

Anyone who develops software for a living needs a proven way to produce it better, faster, and cheaper. The Productive Programmer offers critical timesaving and productivity tools that you can adopt right away, no matter what platform you use. Master developer Neal Ford not only offers advice on the mechanics of productivity-how to work smarter, spurn interruptions, get the most out your computer, and avoid repetition-he also details valuable practices that will help you elude common traps, improve your code, and become more valuable to your team. You'll learn to: Write the test before you write the code Manage the lifecycle of your objects fastidiously Build only what you need now, not what you might need later Apply ancient philosophies to software development Question authority, rather than blindly adhere to

standards Make hard things easier and impossible things possible through meta-programming Be sure all code within a method is at the same level of abstraction Pick the right editor and assemble the best tools for the job This isn't theory, but the fruits of Ford's real-world experience as an Application Architect at the global IT consultancy ThoughtWorks. Whether you're a beginner or a pro with years of experience, you'll improve your work and your career with the simple and straightforward principles in *The Productive Programmer*.

### **INSTANT NOTES FOR BIOPROCESS**

**TECHNOLOGY** - Dr. L. KRISHNASAMY

2022-03-03

Bioprocess Technology combines concepts and ideas from biology, engineering, materials science, and clinical processes. The industrial use of biological processes utilising living cells or their components to achieve desired substrate transformations is known as bioprocess technology. Bioprocesses provide several benefits over standard chemical processes, including the need for moderate reaction conditions, increased specificity and efficiency, and the production of renewable by-products (biomass). Bioprocesses' potential has been broadened and extended thanks to the introduction of recombinant DNA technology. Bioprocesses are now widely employed in a variety of commercial biotechnology disciplines, including the synthesis of enzymes (used in food processing and waste management, for example) and antibiotics. Bioprocesses may find applications in other sectors where chemical processes are now applied as methodologies and equipment improve. Many of biotechnology's potential applications are created through laboratory processes that yield very modest quantities of valuable chemicals. As bioprocess technology advances, particularly separation and purification techniques, commercial firms will be able to produce these substances in large quantities at a low cost, allowing them to be used in medical research, food processing, agriculture, pharmaceutical development, waste management, and a variety of other fields of science and industry.

### **Java Application Architecture** - Kirk

Knoernschild 2012-03-16

"I'm dancing! By god I'm dancing on the walls.

I'm dancing on the ceiling. I'm ecstatic. I'm overjoyed. I'm really, really pleased." -From the Foreword by Robert C. Martin (a.k.a. Uncle Bob) This isn't the first book on Java application architecture. No doubt it won't be the last. But rest assured, this title is different. The way we develop Java applications is about to change, and this title explores the new way of Java application architecture. Over the past several years, module frameworks have been gaining traction on the Java platform, and upcoming versions of Java will include a module system that allows you to leverage the power of modularity to build more resilient and flexible software systems. Modularity isn't a new concept. But modularity will change the way we develop Java applications, and you'll only be able to realize the benefits if you understand how to design more modular software systems. Java Application Architecture will help you Design modular software that is extensible, reusable, maintainable, and adaptable Design modular software today, in anticipation of future platform support for modularity Break large software systems into a flexible composite of collaborating modules Understand where to place your architectural focus Migrate large-scale monolithic applications to applications with a modular architecture Articulate the advantages of modular software to your team Java Application Architecture lays the foundation you'll need to incorporate modular design thinking into your development initiatives. Before it walks you through eighteen patterns that will help you architect modular software, it lays a solid foundation that shows you why modularity is a critical weapon in your arsenal of design tools. Throughout, you'll find examples that illustrate the concepts. By designing modular applications today, you are positioning yourself for the platform and architecture of tomorrow. That's why Uncle Bob is dancing. *Learning Salesforce Lightning Application Development* - Mohith Shrivastava 2018-07-31 Build, design, and style beautiful and informative applications on the Salesforce Lightning platform Key Features Build and Test Lightning Components that enhance application usability and adaptability Apply Security Best Practices to your Custom Lightning Components Design Lightning Components for Salesforce UIs

such as Lightning Pages, Salesforce 1 Application, Communities, and more. Book Description Built on the Salesforce App Cloud, the new Salesforce Lightning Experience combines three major components: Lightning Design System, Lightning App Builder, and Lightning Components, to provide an enhanced user experience. This book will enable you to quickly create modern, enterprise apps with Lightning Component Framework. You will start by building simple Lightning Components and understanding the Lightning Components architecture. The chapters cover the basics of Lightning Component Framework semantics and syntax, the security features provided by Locker Service, and use of third-party libraries inside Lightning Components. The later chapters focus on debugging, performance tuning, testing using Lightning Testing Services, and how to publish Lightning Components on Salesforce AppExchange. What you will learn Understand Lightning Components architecture Learn Locker security best practices Debug and Improve performance of your Lightning Components Use third-party libraries along with Lightning Component Framework Learn how to publish Lightning Components on AppExchange Use Lightning Out to take your Lightning Components outside the Salesforce platform Who this book is for This book is for Salesforce developers or developers from other platforms who are familiar with HTML, CSS, and JavaScript and want to build and test Salesforce Lightning components. No knowledge of Salesforce Lightning is required.

### **Refactoring for Software Design Smells -**

Girish Suryanarayana 2014-11-11

Awareness of design smells - indicators of common design problems - helps developers or software engineers understand mistakes made while designing, what design principles were overlooked or misapplied, and what principles need to be applied properly to address those smells through refactoring. Developers and software engineers may "know" principles and patterns, but are not aware of the "smells" that exist in their design because of wrong or mis-application of principles or patterns. These smells tend to contribute heavily to technical debt - further time owed to fix projects thought to be complete - and need to be addressed via

proper refactoring. Refactoring for Software Design Smells presents 25 structural design smells, their role in identifying design issues, and potential refactoring solutions. Organized across common areas of software design, each smell is presented with diagrams and examples illustrating the poor design practices and the problems that result, creating a catalog of nuggets of readily usable information that developers or engineers can apply in their projects. The authors distill their research and experience as consultants and trainers, providing insights that have been used to improve refactoring and reduce the time and costs of managing software projects. Along the way they recount anecdotes from actual projects on which the relevant smell helped address a design issue. Contains a comprehensive catalog of 25 structural design smells (organized around four fundamental design principles) that contribute to technical debt in software projects Presents a unique naming scheme for smells that helps understand the cause of a smell as well as points toward its potential refactoring Includes illustrative examples that showcase the poor design practices underlying a smell and the problems that result Covers pragmatic techniques for refactoring design smells to manage technical debt and to create and maintain high-quality software in practice Presents insightful anecdotes and case studies drawn from the trenches of real-world projects *TestComplete Cookbook* - Gennadiy Alpaev 2013-12

A practical cookbook, with a perfect package of simple, medium, and advanced recipes targeted at basic programmers as well as expert software testers, who will learn to create, manage, and run automated tests. It is packed with problem-solving recipes that are supported by simple examples. If you are a software tester or a programmer who is involved with testing automation using TestComplete, this book is ideal for you! You will be introduced to the very basics of using the tool, as well as polish any previously gained knowledge in using the tool. If you are already aware of programming basics, but are new to TestComplete, you will also be able to quickly learn the concepts through selected examples that are easily scalable for your specific needs.

The Birth of Mathematics - Michael J. Bradley  
2006

From 700 BCE to CE 1300, thousands of scholars from many different civilizations introduced mathematical ideas that established the foundations of arithmetic, number theory, algebra, geometry, and trigonometry, as well as the r.

**Distributed Computing in Java 9** - Raja Malleswara Rao Pattamsetti 2017-06-30

Explore the power of distributed computing to write concurrent, scalable applications in Java  
About This Book Make the best of Java 9 features to write succinct code Handle large amounts of data using HPC Make use of AWS and Google App Engine along with Java to establish a powerful remote computation system  
Who This Book Is For This book is for basic to intermediate level Java developers who is aware of object-oriented programming and Java basic concepts. What You Will Learn Understand the basic concepts of parallel and distributed computing/programming Achieve performance improvement using parallel processing, multithreading, concurrency, memory sharing, and hpc cluster computing Get an in-depth understanding of Enterprise Messaging concepts with Java Messaging Service and Web Services in the context of Enterprise Integration Patterns Work with Distributed Database technologies Understand how to develop and deploy a distributed application on different cloud platforms including Amazon Web Service and Docker CaaS Concepts Explore big data technologies Effectively test and debug distributed systems Gain thorough knowledge of security standards for distributed applications including two-way Secure Socket Layer In Detail Distributed computing is the concept with which a bigger computation process is accomplished by splitting it into multiple smaller logical activities and performed by diverse systems, resulting in maximized performance in lower infrastructure investment. This book will teach you how to improve the performance of traditional applications through the usage of parallelism and optimized resource utilization in Java 9. After a brief introduction to the fundamentals of distributed and parallel computing, the book moves on to explain different ways of communicating with remote systems/objects in a

distributed architecture. You will learn about asynchronous messaging with enterprise integration and related patterns, and how to handle large amount of data using HPC and implement distributed computing for databases. Moving on, it explains how to deploy distributed applications on different cloud platforms and self-contained application development. You will also learn about big data technologies and understand how they contribute to distributed computing. The book concludes with the detailed coverage of testing, debugging, troubleshooting, and security aspects of distributed applications so the programs you build are robust, efficient, and secure. Style and approach This is a step-by-step practical guide with real-world examples.  
**Domestic Fuel Consumption** - Arthur Henry Barker 1920

**Computer-Assisted Research in the Humanities** - Joseph Raben 2014-05-18

Computer-Assisted Research in the Humanities describes various computer-assisted research in the humanities and related social sciences. It is a compendium of data collected between November 1966 and May 1972 and published in Computer and the Humanities. The book begins with an analysis of language teaching texts including the DOVACK system, a program used for remedial reading instruction. It then discusses the objectives, types of computer used, and status of the Bibliographic On-line Display (BOLD), semiotic systems, augmented human intellect program, automatic indexing, and similar research. The remaining chapters present computer-assisted research on language and literature, philosophy, social sciences, and visual arts. Students who seek a single reference work for computer-assisted research in the humanities will find this book useful.

Solar Polarization - K.N. Nagendra 2013-03-09  
Novel instruments for high-precision imaging polarimetry have opened new possibilities, including for exploring effects in radiative scattering, atomic physics, spectral line formation, and radiative transfer. This volume gives a comprehensive and up-to-date account of this rapidly evolving and interdisciplinary field of science.

**LET US C SOLUTIONS -15TH EDITION** - Yashavant kanetkar 2018-06-01

Description: Best way to learn any programming language is to create good programs in it. C is not exception to this rule. Once you decide to write any program you would find that there are always at least two ways to write it. So you need to find out whether you have chosen the best way to implement your program. That's where you would find this book useful. It contains solutions to all the exercises present in Let Us C 15th Edition. If you learn the language elements from Let Us C, write programs for the problems given in the exercises and then cross check your answers with the solutions given in this book you would be well on your way to become a skilled C programmer. I am sure you would appreciate this learning path like the millions of students and professionals have in the past decade.

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Handbook of e-Business Security - João Manuel R.S. Tavares 2018-07-27

There are a lot of e-business security concerns. Knowing about e-business security issues will likely help overcome them. Keep in mind, companies that have control over their e-business are likely to prosper most. In other words, setting up and maintaining a secure e-business is essential and important to business growth. This book covers state-of-the art practices in e-business security, including privacy, trust, security of transactions, big data, cloud computing, social network, and distributed systems.

Production of Sugarcane - Gururaj Hunsigi

2012-12-06

Presented here is a comprehensive account of both theoretical and practical aspects of sugarcane production. The first of two parts of the book deals with origin, distribution, soil and climatic requirements, seed bed preparation, cultural and nutrient requirements, fertilization, irrigation, ratooning, weeds, pests, diseases, ripening, and harvest. In thesecond part, energy and fibre cane, cane development, and manufacturing techniques of sugar and by-products are treated in detail. This book will serve as a vademecum for cane growers, sugar and sugarcane technologists, students and teachers.

**2017 International Conference on Nextgen Electronic Technologies Silicon to Software (ICNETS2)** - IEEE Staff 2017-03-23

ICNETS2 is aimed at providing a forum for engineers, scientists, industry, post docs and budding researchers to present their research findings and share their knowledge experience relating to recent advancements and current opinions in the field of Electronics and Communication Engineering It is estimated that more than 900 presenters will attend the conference from diverse background and culture making the event a truly international The highlight of the conference will be the presence of a Nobel laureate as Plenary speaker The conference will have Keynote address and Invited talks from reputed persons around the globe in their areas of expertise

**Advances in Simulation, Product Design and Development** - M. S. Shunmugam 2020-11-07

This volume comprises select proceedings of the 7th International and 28th All India Manufacturing Technology, Design and Research conference 2018 (AIMTDR 2018). The papers in this volume discuss simulations based on techniques such as finite element method (FEM) as well as soft computing based techniques such as artificial neural network (ANN), their optimization and the development and design of mechanical products. This volume will be of interest to researchers, policy makers, and practicing engineers alike.

The Patents Act, 1970 - Current Publications 2020-07-15

and THE PATENTS RULES, 2003 [As Amended upto Notification No. G.S.R. 663(E), dt.

17-09-2019] with The Intellectual Property Appellate Board (Patents Procedure) Rules, 2010; The Patents (Appeals and Applications to the Intellectual Property Appellate Board) Rules, 2011; Deed of Management; Agreement to sell Patent against consideration; and Notes with Free Access to Full Text of Judgements on Net and Mobile App

**Another Garland** - N. Rajagopalan 2018-02-07  
This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work was reproduced from the original artifact, and remains as true to the original work as possible. Therefore, you will see the original copyright references, library stamps (as most of these works have been housed in our most important libraries around the world), and other notations in the work. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. As a reproduction of a historical artifact, this work may contain missing or blurred pages, poor pictures, errant marks, etc. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

**The Mind of an Engineer: Volume 2** - Purnendu Ghosh 2019-11-18

This book is a collection of chapters reflecting the experiences and achievements of some of the Fellows of the Indian National Academy of Engineering (INAE). The book comprises essays that look at reminiscences, eureka moments, inspirations, challenges and opportunities in the journey of an engineering professional. The chapters look at the paths successful engineering professionals take towards self-realisation, the milestones they crossed, and the goals they reached. The book contains 38 chapters on diverse topics that truly reflect the way the meaningful mind of an engineer works.

**Thacker's Indian Directory ...** - 1922

**The Java EE 6 Tutorial** - Eric Jendrock

2010-08-24

The Java EE 6 Tutorial: Basic Concepts, Fourth Edition, is a task-oriented, example-driven guide to developing enterprise applications for the Java Platform, Enterprise Edition 6 (Java EE 6). Written by members of the Java EE 6 documentation team at Oracle, this book provides new and intermediate Java programmers with a deep understanding of the platform. Starting with expert guidance on web tier technologies, including JavaServer Faces and Facelets, this book also covers building web services using JAX-WS and JAX-RS, developing business logic with Enterprise JavaBeans components, accessing databases using the Java Persistence API, securing web and enterprise applications, and using Contexts and Dependency Injection for the Java EE platform. This edition contains extensive new material throughout, including detailed introductions to the latest APIs and platform features, and instructions for using the latest versions of GlassFish Server Open Source Edition and NetBeans IDE. Key platform features covered include Convention over configuration, so developers need specify only those aspects of an application that vary from the convention Annotated POJOs (Plain Old Java Objects) with optional XML configuration Simplified but more flexible packaging Lightweight Web Profile that is ideal for developing web applications The Java Series...from the Source Since 1996, when Addison-Wesley published the first edition of The Java Programming Language by Ken Arnold and James Gosling, this series has been the place to go for complete, expert, and definitive information on Java technology. The books in this series provide the detailed information developers need to build effective, robust, and portable applications and are an indispensable resource for anyone using the Java platform.

**Proceedings of ICDMC 2019** - Lung-Jieh Yang 2021-06-16

This book comprises select proceedings of the International Conference on Design, Materials, Cryogenics and Constructions (ICDMC 2019). The chapters cover latest research in different areas of mechanical engineering such as additive manufacturing, automation in industry and agriculture, combustion and emission control, CFD, finite element analysis, and

engineering design. The book also focuses on cryogenic systems and low-temperature materials for cost-effective and energy-efficient solutions to current challenges in the manufacturing sector. Given its contents, the book can be useful for students, academics, and practitioners.

**Nuclear Power and Fuel Cycle** - International Atomic Energy Agency 1988

**Basic and Applied Aspects of Biopesticides** - K. Sahayaraj 2014-07-10

Currently, the major challenge of humanity is focused on population growth through agricultural production in order to meet the demand for food. The food crunch is mainly due to pest and disease. Traditional methods, synthetic insecticides and microbicides cause health hazards to human beings, domestic animals and also affect our immediate environments. Serious concerns were implemented by both developing and developed countries as Integrated Pest Management (IPM) and Bio-intensive Integrated Pest Management (BIPM) systems where biopesticides play an important role worldwide. The available books are limited to particular aspects of biopesticides. Hence, it is imperative to bring out a holistic documentation which will provide the reader information on all aspects of biopesticides. The book consists of five sections namely microbials, botanicals, natural enemies semio-chemicals and biotechnology and equipments, bioinformatics tools and IPM. In Section I, microbial deals with utilization of *Bacillus* in control of phytonematodes; biological control of pest and diseases with fluorescent pseudomonads, entomopathogenic fungus and entomopathogenic nematodes in pest management, microbial viral insecticides and microbial elicitors to induce immunity for plant disease control in chilli and tomato. Importance of plant essential oils, botanicals in endocrine disruption, relevance of botanicals and use of plant volatile on pest management has been discussed in Section II. Importance and role of reduviidae, weaver ants, ground beetles, Odonatas, spiders in biological control has been discussed in Section III. In addition, genetic improvement of biocontrol agents for sustainable pest management has also been

highlighted. In Section IV, classical practices and pheromone, kairomonal enhancement to natural enemies and use of transgenic plants in insect control are highlighted. Equipment and their application methodologies for application of biopesticides; relevance of bioinformatics in biopesticides management; pest management of soybean, bio fouling and eco friendly antifoulants have been highlighted in Section V. Each chapter has objectives and conclusion along with recommendations.

The Mind of an Engineer - Purnendu Ghosh 2015-11-27

The Indian National Academy of Engineering (INAE) promotes the endeavour of the practitioners of engineering and technology and related sciences to solve the problems of national importance. The book is an initiative of the INAE and a reflection of the experiences of some of the Fellows of the INAE in the fields of science, technology and engineering. The book is about the reminiscences, eureka moments, inspirations, challenges and opportunities in the journey the professionals took toward self-realisation and the goals they achieved. The book contains 58 articles on diverse topics that truly reflects the way the meaningful mind of an engineer works.

*Advances in Materials Processing and Manufacturing Applications* - Amar Patnaik 2022-06-24

This book presents selected papers from the International Conference on Advances in Materials Processing and Manufacturing Applications (iCADMA 2020), held on November 5-6, 2020, at Malaviya National Institute of Technology, Jaipur, India. iCADMA 2020 proceedings is divided into four topical tracks - Advanced Materials, Materials Manufacturing and Processing, Engineering Optimization and Sustainable Development, and Tribology for Industrial Application.

*Behavioral Neurogenetics* - Daisuke Yamamoto 2022-07-05

This volume looks at the framework in which different scientific disciplines are integrated into the latest studies in behavioral neurogenetics, and covers new approaches toward understanding the system that controls behavior across the animal kingdom. Chapters in this book cover topics such as mapping brain-wide

mesoscale connectome from single animals with BRICseq; gut microbes and Drosophila behavior; bioassaying the function of pheromones in Drosophila melanogaster's social behavior; automated behavior analysis using a YOLO-based object detection system; and proteomic analysis of C. elegans neurons using TurboID-based proximity labeling. In the Neuromethods series style, chapters include the kind of detail and key advice from the specialists needed to get successful results in your laboratory. Cutting-edge and practical, Behavioral Neurogenetics is a valuable resource for experienced and novice researchers interested in learning more about this field and its future developments.

Nanogenerators - Sang Jae Kim 2020-07-01

This book provides an introduction to nanogenerators, which are the newest technological advancement in the field of energy conversion. Chapters discuss the physics behind energy conversion using detailed research results and experimental techniques for fabricating triboelectric and piezoelectric devices, as well as nanogenerators in the field of biomedicine and the construction of stretchable electrodes for wearable devices.

Education in the Seventies - United States.

Office of Education. Office of Program Planning and Evaluation 1968

Agile Software Requirements - Dean Leffingwell 2010-12-27

"We need better approaches to understanding and managing software requirements, and Dean provides them in this book. He draws ideas from three very useful intellectual pools: classical

management practices, Agile methods, and lean product development. By combining the strengths of these three approaches, he has produced something that works better than any one in isolation." -From the Foreword by Don Reinertsen, President of Reinertsen & Associates; author of Managing the Design Factory; and leading expert on rapid product development Effective requirements discovery and analysis is a critical best practice for serious application development. Until now, however, requirements and Agile methods have rarely coexisted peacefully. For many enterprises considering Agile approaches, the absence of effective and scalable Agile requirements processes has been a showstopper for Agile adoption. In Agile Software Requirements, Dean Leffingwell shows exactly how to create effective requirements in Agile environments. Part I presents the "big picture" of Agile requirements in the enterprise, and describes an overall process model for Agile requirements at the project team, program, and portfolio levels Part II describes a simple and lightweight, yet comprehensive model that Agile project teams can use to manage requirements Part III shows how to develop Agile requirements for complex systems that require the cooperation of multiple teams Part IV guides enterprises in developing Agile requirements for ever-larger "systems of systems," application suites, and product portfolios This book will help you leverage the benefits of Agile without sacrificing the value of effective requirements discovery and analysis. You'll find proven solutions you can apply right now-whether you're a software developer or tester, executive, project/program manager, architect, or team leader.