

Artificial Intelligence By Saroj Kaushik

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Computational Science and Its Applications – ICCSA 2017 -
Osvaldo Gervasi 2017-07-14
The six-volume set LNCS
10404-10409 constitutes the

refereed proceedings of the
17th International Conference
on Computational Science and
Its Applications, ICCSA 2017,
held in Trieste, Italy, in July

2017. The 313 full papers and 12 short papers included in the 6-volume proceedings set were carefully reviewed and selected from 1052 submissions. Apart from the general tracks, ICCSA 2017 included 43 international workshops in various areas of computational sciences, ranging from computational science technologies to specific areas of computational sciences, such as computer graphics and virtual reality. Furthermore, this year ICCSA 2017 hosted the XIV International Workshop On Quantum Reactive Scattering. The program also featured 3 keynote speeches and 4 tutorials.

Machine Intelligence and Signal

Analysis - M. Tanveer

2018-08-07

The book covers the most recent developments in machine learning, signal analysis, and their applications.

It covers the topics of machine intelligence such as: deep learning, soft computing approaches, support vector machines (SVMs), least square SVMs (LSSVMs) and their variants; and covers the topics of signal analysis such as: biomedical signals including electroencephalogram (EEG), magnetoencephalography (MEG), electrocardiogram (ECG) and electromyogram (EMG) as well as other signals such as speech signals,

communication signals, vibration signals, image, and video. Further, it analyzes normal and abnormal categories of real-world signals, for example normal and epileptic EEG signals using numerous classification techniques. The book is envisioned for researchers and graduate students in Computer Science and Engineering, Electrical Engineering, Applied Mathematics, and Biomedical Signal Processing.

Proceedings. International conference on cognitive systmes (1997 - J. R. Isaac 1997

IETE Journal of Research - 2005

PRINCIPLES OF SOFT

COMPUTING (With CD) -

S.N.Sivanandam & S.N.Deepa
2007-06

Market_Desc: · B. Tech (UG)
students of CSE, IT, ECE·

College Libraries· Research
Scholars· Operational

Research· Management Sector

Special Features: Dr. S. N.

Sivanandam has published 12

books· He has delivered around
150 special lectures of different

specialization in Summer/Winter
school and also in various

Engineering colleges· He has

guided and co guided 30 PhD

research works and at present

9 PhD research scholars are

working under him· The total

number of technical publications

in International/National Journals/Conferences is around 700. He has also received Certificate of Merit 2005-2006 for his paper from The Institution of Engineers (India). He has chaired 7 International Conferences and 30 National Conferences. He is a member of various professional bodies like IE (India), ISTE, CSI, ACS and SSI. He is a technical advisor for various reputed industries and engineering institutions. His research areas include Modeling and Simulation, Neural Networks, Fuzzy Systems and Genetic Algorithm, Pattern Recognition, Multidimensional system analysis, Linear and Nonlinear

control system, Signal and Image processing, Control System, Power system, Numerical methods, Parallel Computing, Data Mining and Database Security About The Book: This book is meant for a wide range of readers who wish to learn the basic concepts of soft computing. It can also be helpful for programmers, researchers and management experts who use soft computing techniques. The basic concepts of soft computing are dealt in detail with the relevant information and knowledge available for understanding the computing process. The various neural network concepts are explained with examples,

highlighting the difference between various architectures. Fuzzy logic techniques have been clearly dealt with suitable examples. Genetic algorithm operators and the various classifications have been discussed in lucid manner, so that a beginner can understand the concepts with minimal effort.

UNESCO Science Report -
UNESCO 2021-06-18

AI 2009: Advances in Artificial Intelligence - Ann Nicholson
2009-11-18

This book constitutes the refereed proceedings of the 22nd Australasian Joint Conference on Artificial Intelligence, AI 2009, held in

Melbourne, Australia, in December 2009. The 68 revised full papers presented were carefully reviewed and selected from 174 submissions. The papers are organized in topical sections on agents; AI applications; computer vision and image processing; data mining and statistical learning; evolutionary computing; game playing; knowledge representation and reasoning; natural language and speech processing; soft computing; and user modelling.

Pattern Recognition and Machine Intelligence - Santanu Chaudhury 2009-12-02

This book constitutes the refereed proceedings of the

Third International Conference on Pattern Recognition and Machine Intelligence, PReMI 2009, held in New Delhi, India in December 2009. The 98 revised papers presented were carefully reviewed and selected from 221 initial submissions. The papers are organized in topical sections on pattern recognition and machine learning, soft computing and applications, bio and cheminformatics, text and data mining, image analysis, document image processing, watermarking and steganography, biometrics, image and video retrieval, speech and audio processing, as well as on applications.

Protecting Your PC - Ian Barile
2006

Provides information on protecting a PC from spyware, spam, adware, viruses, and identity theft.

Pottery Analysis - Prudence M. Rice 1987

"A comprehensive sourcebook, drawing together diverse approaches to the study of pottery - archaeological, ethnographic, stylistic, functional, and physicochemical.

The author uses pottery as a starting point for insights into people and culture and examines in detail the methods for studying these fired clay vessels."--pub. desc.

Type-2 Fuzzy Logic: Theory and

Applications - Oscar Castillo

2008-02-20

This book describes new methods for building intelligent systems using type-2 fuzzy logic and soft computing (SC) techniques. The authors extend the use of fuzzy logic to a higher order, which is called type-2 fuzzy logic. Combining type-2 fuzzy logic with traditional SC techniques, we can build powerful hybrid intelligent systems that can use the advantages that each technique offers. This book is intended to be a major reference tool and can be used as a textbook.

Istio in Action - Christian E.

Posta 2022-05-03

Solve difficult service-to-service communication challenges around security, observability, routing, and resilience with an Istio-based service mesh. Istio allows you to define these traffic policies as configuration and enforce them consistently without needing any service-code changes. In *Istio in Action* you will learn: Why and when to use a service mesh Envoy's role in Istio's service mesh Allowing "North-South" traffic into a mesh Fine-grained traffic routing Make your services robust to network failures Gain observability over your system with telemetry "golden signals" How Istio makes your services secure by default Integrate

cloud-native applications with legacy workloads such as in VMs Reduce the operational complexity of your microservices with an Istio-powered service mesh! Istio in Action shows you how to implement this powerful new architecture and move your application-networking concerns to a dedicated infrastructure layer. Non-functional concerns stay separate from your application, so your code is easier to understand, maintain, and adapt regardless of programming language. In this practical guide, you'll go hands-on with the full-featured Istio service mesh to manage microservices communication.

Helpful diagrams, example configuration, and examples make it easy to understand how to control routing, secure container applications, and monitor network traffic. About the technology Offload complex microservice communication layer challenges to Istio! The industry-standard Istio service mesh radically simplifies security, routing, observability, and other service-to-service communication challenges. With Istio, you use a straightforward declarative configuration style to establish application-level network policies. By separating communication from business logic, your services are easier to write, maintain, and modify.

About the book Istio in Action teaches you how to implement an Istio-based service mesh that can handle complex routing scenarios, traffic encryption, authorization, and other common network-related tasks. You'll start by defining a basic service mesh and exploring the data plane with Istio's service proxy, Envoy. Then, you'll dive into core topics like traffic routing and visualization and service-to-service authentication, as you expand your service mesh to workloads on multiple clusters and legacy VMs. What's inside Comprehensive coverage of Istio resources Practical examples to showcase service

mesh capabilities Implementation of multi-cluster service meshes How to extend Istio with WebAssembly Traffic routing and observability VM integration into the mesh About the reader For developers, architects, and operations engineers. About the author Christian Posta is a well-known architect, speaker, and contributor. Rinor Maloku is an engineer at Solo.io working on application networking solutions. Table of Contents PART 1 UNDERSTANDING ISTIO 1 Introducing the Istio service mesh 2 First steps with Istio 3 Istio's data plane: The Envoy proxy PART 2 SECURING, OBSERVING, AND

CONTROLLING YOUR SERVICE'S NETWORK TRAFFIC 4 Istio gateways: Getting traffic into a cluster 5 Traffic control: Fine-grained traffic routing 6 Resilience: Solving application networking challenges 7 Observability: Understanding the behavior of your services 8 Observability: Visualizing network behavior with Grafana, Jaeger, and Kiali 9 Securing microservice communication PART 3 ISTIO DAY-2 OPERATIONS 10 Troubleshooting the data plane 11 Performance-tuning the control plane PART 4 ISTIO IN YOUR ORGANIZATION 12 Scaling Istio in your organization 13 Incorporating

virtual machine workloads into the mesh 14 Extending Istio on the request path [Computational Collective Intelligence](#) - Ngoc Thanh Nguyen 2019-10-04 This two-volume set (LNAI 11683 and LNAI 11684) constitutes the refereed proceedings of the 11th International Conference on Computational Collective Intelligence, ICCCI 2019, held in Hendaye France, in September 2019. The 117 full papers presented were carefully reviewed and selected from 200 submissions. The papers are grouped in topical sections on: computational collective intelligence and natural

language processing; machine learning in real-world data; distributed collective intelligence for smart manufacturing; collective intelligence for science and technology; intelligent management information systems; intelligent sustainable smart cities; new trends and challenges in education: the university 4.0; intelligent processing of multimedia in web systems; and big data streaming, applications and security.

Advances in Data Computing, Communication and Security -

Pankaj Verma 2022-03-29

This book is a collection of high-quality peer reviewed contributions from the

academicians, researchers, practitioners, and industry professionals, accepted in the International Conference on Advances in Data Computing, Communication and Security (I3CS2021) organized by the Department of Electronics and Communication Engineering in collaboration with the Department of Computer Engineering, National Institute of Technology, Kurukshetra, India during 08-10 Sep 2021.

The fast pace of advancing technologies and growing expectations of the next-generation requires that the researchers must continuously reinvent themselves through new investigations and

development of the new products. The theme of this conference is devised as "Embracing Innovations" for the next-generation data computing and secure communication system.

Computer Vision and Image Processing - Manas Kamal Bhuyan 2019-11-05

The book familiarizes readers with fundamental concepts and issues related to computer vision and major approaches that address them. The focus of the book is on image acquisition and image formation models, radiometric models of image formation, image formation in the camera, image processing concepts, concept of feature

extraction and feature selection for pattern classification/recognition, and advanced concepts like object classification, object tracking, image-based rendering, and image registration. Intended to be a companion to a typical teaching course on computer vision, the book takes a problem-solving approach.

Discrete Mathematics for Computer Scientists - Joe L. Mott 1983

Provides computer science students with a foundation in discrete mathematics using relevant computer science applications.

Artificial Paranoia - Kenneth Mark Colby 2013-10-22

Artificial Paranoia: A Computer Simulation of Paranoid Processes is a seven-chapter book that begins by explaining the concept, characteristics, and theories of paranoia.

Subsequent chapters focus on the explanations, models, and symbol-processing theory of the paranoid mode. Another chapter explores language-recognition processes for understanding dialogues in teletyped psychiatric interviews. The last three chapters explore the central processes of the model, validation, and evaluation.

Artificial Intelligence - Nils J. Nilsson 1998

This new book, by one of the most respected researchers in

Artificial Intelligence, features a radical new 'evolutionary' organization that begins with low level intelligent behavior and develops complex intelligence as the book progresses.

Proceedings of ICETIT 2019 - Pradeep Kumar Singh 2019-09-23

This book presents high-quality, original contributions (both theoretical and experimental) on Information Security, Machine Learning, Data Mining and Internet of Things (IoT). It gathers papers presented at ICETIT 2019, the 1st International Conference on Emerging Trends in Information Technology, which was held in

Delhi, India, in June 2019. This conference series represents a targeted response to the growing need for research that reports on and assesses the practical implications of IoT and network technologies, AI and machine learning, data analytics and cloud computing, security and privacy, and next generation computing technologies.

Introduction to Statistical Machine Learning - Masashi Sugiyama 2015-10-31

Machine learning allows computers to learn and discern patterns without actually being programmed. When Statistical techniques and machine learning are combined together

they are a powerful tool for analysing various kinds of data in many computer science/engineering areas including, image processing, speech processing, natural language processing, robot control, as well as in fundamental sciences such as biology, medicine, astronomy, physics, and materials.

Introduction to Statistical Machine Learning provides a general introduction to machine learning that covers a wide range of topics concisely and will help you bridge the gap between theory and practice.

Part I discusses the fundamental concepts of statistics and probability that are

used in describing machine learning algorithms. Part II and Part III explain the two major approaches of machine learning techniques; generative methods and discriminative methods. While Part III provides an in-depth look at advanced topics that play essential roles in making machine learning algorithms more useful in practice. The accompanying MATLAB/Octave programs provide you with the necessary practical skills needed to accomplish a wide range of data analysis tasks. Provides the necessary background material to understand machine learning such as statistics, probability, linear algebra, and

calculus. Complete coverage of the generative approach to statistical pattern recognition and the discriminative approach to statistical machine learning. Includes MATLAB/Octave programs so that readers can test the algorithms numerically and acquire both mathematical and practical skills in a wide range of data analysis tasks. Discusses a wide range of applications in machine learning and statistics and provides examples drawn from image processing, speech processing, natural language processing, robot control, as well as biology, medicine, astronomy, physics, and materials.

Toward Precision Medicine -

National Research Council

2012-01-16

Motivated by the explosion of molecular data on humans- particularly data associated with individual patients-and the sense that there are large, as-yet-untapped opportunities to use this data to improve health outcomes, *Toward Precision Medicine* explores the feasibility and need for "a new taxonomy of human disease based on molecular biology" and develops a potential framework for creating one. The book says that a new data network that integrates emerging research on the molecular makeup of diseases with clinical data on individual patients could drive

the development of a more accurate classification of diseases and ultimately enhance diagnosis and treatment. The "new taxonomy" that emerges would define diseases by their underlying molecular causes and other factors in addition to their traditional physical signs and symptoms. The book adds that the new data network could also improve biomedical research by enabling scientists to access patients' information during treatment while still protecting their rights. This would allow the marriage of molecular research and clinical data at the point of care, as opposed to research information

continuing to reside primarily in academia. Toward Precision Medicine notes that moving toward individualized medicine requires that researchers and health care providers have access to very large sets of health- and disease-related data linked to individual patients. These data are also critical for developing the information commons, the knowledge network of disease, and ultimately the new taxonomy.

ARTIFICIAL INTELLIGENCE -
PARAG KULKARNI 2015-02-26

There has been a movement over the years to make machines intelligent. With the advent of modern technology, AI has become the core part of

day-to-day life. But it is accentuated to have a book that keeps abreast of all the state-of-the-art concepts (pertaining to AI) in simplified, explicit and elegant way, expounding on ample examples so that the beginners are able to comprehend the subject with ease. The book on Artificial Intelligence, dexterously divided into 21 chapters, fully satisfies all these pressing needs. It is intended to put each and every concept related to intelligent system in front of the readers in the most simplified way so that while understanding the basic concepts, they will develop thought process that can contribute to the building of

advanced intelligent systems. Various cardinal landmarks pertaining to the subject such as problem solving, search techniques, intelligent agents, constraint satisfaction problems, knowledge representation, planning, machine learning, natural language processing, pattern recognition, game playing, hybrid and fuzzy systems, neural network-based learning and future work and trends in AI are now under the single umbrella of this book, thereby showing a nice blend of theoretical and practical aspects. With all the latest information incorporated and several pedagogical attributes included, this textbook is an

invaluable learning tool for the undergraduate and postgraduate students of computer science and engineering, and information technology. KEY FEATURES • Highlights a clear and concise presentation through adequate study material • Follows a systematic approach to explicate fundamentals as well as recent advances in the area • Presents ample relevant problems in the form of multiple choice questions, concept review questions, critical thinking exercise and project work • Incorporates various case studies for major topics as well as numerous industrial examples

Foundations of Artificial Intelligence - David Kirsh 1992

In the 11 contributions, theorists historically associated with each position identify the basic tenets of their position. Have the classical methods and ideas of AI outlived their usefulness?

Foundations of Artificial Intelligence critically evaluates the fundamental assumptions underpinning the dominant approaches to AI. In the 11 contributions, theorists historically associated with each position identify the basic tenets of their position. They discuss the underlying principles, describe the natural types of problems and tasks in which their approach succeeds,

explain where its power comes from, and what its scope and limits are. Theorists generally skeptical of these positions evaluate the effectiveness of the method or approach and explain why it works - to the extent they believe it does - and why it eventually fails. Contents *Foundations of AI: The Big Issues*, D. Kirsh - *Logic and Artificial Intelligence*, N. J. Nilsson - *Rigor Mortis: A Response to Nilsson's 'Logic and Artificial Intelligence'*, L. Birnbaum - *Open Information Systems Semantics for Distributed Artificial Intelligence*, C. Hewitt - *Social Conceptions of Knowledge and Action: DAI Foundations and Open Systems*

<p>Semantics, L. Gasser - Intelligence without Representation, R. A. Brooks - Today the Earwig, Tomorrow Man? D. Kirsh - On the Thresholds of Knowledge, D. B. Lenat, E. A. Feigenbaum - The Owl and the Electric Encyclopedia, B. C. Smith - A Preliminary Analysis of the Soar Architecture as a Basis for General Intelligence, P. S. Rosenbloom, J. E. Laird, A. Newell, R. McCarl - Approaches to the Study of Intelligence, D. A. Norman</p> <p>Big Data Science & Analytics - Arshdeep Bahga 2016-04-15</p> <p>Big data is defined as collections of datasets whose volume, velocity or variety is so</p>	<p>large that it is difficult to store, manage, process and analyze the data using traditional databases and data processing tools. We have written this textbook to meet this need at colleges and universities, and also for big data service providers.</p> <p><i>Introduction to Artificial Intelligence</i> - Wolfgang Ertel 2018-01-18</p> <p>This accessible and engaging textbook presents a concise introduction to the exciting field of artificial intelligence (AI). The broad-ranging discussion covers the key subdisciplines within the field, describing practical algorithms and concrete applications in the areas of</p>
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agents, logic, search, reasoning under uncertainty, machine learning, neural networks, and reinforcement learning. Fully revised and updated, this much-anticipated second edition also includes new material on deep learning. Topics and features: presents an application-focused and hands-on approach to learning, with supplementary teaching resources provided at an associated website; contains numerous study exercises and solutions, highlighted examples, definitions, theorems, and illustrative cartoons; includes chapters on predicate logic, PROLOG, heuristic search, probabilistic reasoning, machine learning and data mining, neural

networks and reinforcement learning; reports on developments in deep learning, including applications of neural networks to generate creative content such as text, music and art (NEW); examines performance evaluation of clustering algorithms, and presents two practical examples explaining Bayes' theorem and its relevance in everyday life (NEW); discusses search algorithms, analyzing the cycle check, explaining route planning for car navigation systems, and introducing Monte Carlo Tree Search (NEW); includes a section in the introduction on AI and society, discussing the implications of AI on topics such

as employment and transportation (NEW). Ideal for foundation courses or modules on AI, this easy-to-read textbook offers an excellent overview of the field for students of computer science and other technical disciplines, requiring no more than a high-school level of knowledge of mathematics to understand the material.

Data Mining Methods and Models - Daniel T. Larose
2006-02-02

Apply powerful Data Mining Methods and Models to Leverage your Data for Actionable Results Data Mining Methods and Models provides: * The latest techniques for

uncovering hidden nuggets of information * The insight into how the data mining algorithms actually work * The hands-on experience of performing data mining on large data sets Data Mining Methods and Models: * Applies a "white box" methodology, emphasizing an understanding of the model structures underlying the software Walks the reader through the various algorithms and provides examples of the operation of the algorithms on actual large data sets, including a detailed case study, "Modeling Response to Direct-Mail Marketing" * Tests the reader's level of understanding of the concepts and

methodologies, with over 110 chapter exercises *

Demonstrates the Clementine data mining software suite, WEKA open source data mining software, SPSS statistical software, and Minitab statistical software *

* Includes a companion Web site, www.dataminingconsultant.com, where the data sets used in the book may be downloaded, along with a comprehensive set of data mining resources.

Faculty adopters of the book have access to an array of helpful resources, including solutions to all exercises, a PowerPoint(r) presentation of each chapter, sample data mining course projects and

accompanying data sets, and multiple-choice chapter quizzes.

With its emphasis on learning by doing, this is an excellent textbook for students in business, computer science, and statistics, as well as a problem-solving reference for data analysts and professionals in the field. An Instructor's Manual presenting detailed solutions to all the problems in the book is available online.

The Discovery of the Artificial -

R. Cordeschi 2013-04-17

This series will include monographs and collections of studies devoted to the investigation and exploration of knowledge, information, and data processing systems of all

kinds, no matter whether human, (other) animal, or machine. Its scope is intended to span the full range of interests from classical problems in the philosophy of mind and philosophical psychology through issues in cognitive psychology and sociobiology (concerning the mental capabilities of other species) to ideas related to artificial intelligence and to computer science. While primary emphasis will be placed upon theoretical, conceptual, and epistemological aspects of these problems and domains, empirical, experimental, and methodological studies will also appear from time to time. The

present volume offers a broad and imaginative approach to the study of the mind, which emphasizes several themes, namely: the importance of functional organization apart from the specific material by means of which it may be implemented; the use of modeling to simulate these functional processes and subject them to certain kinds of tests; the use of mentalistic language to describe and predict the behavior of artifacts; and the subsumption of processes of adaptation, learning, and intelligence by means of explanatory principles. The author has produced a rich and complex, lucid and

readable discussion that clarifies and illuminates many of the most difficult problems arising within this difficult domain.

Logic And Prolog Programming -

Saroj Kaushik 2007-01-01

This Book Presents A Systematic Exposition Of Formal Logic, Evolution Of Logic Programming And The Features Of Prolog Programming Language. It Covers Both Propositional And Predicate Logic And Explains Various Approaches Towards Validity, Inconsistency Of Logic Formulae And Problem Solving. After Explaining The Basic Concepts And Rules In Logic, The Book Present Logic

Programming And Introduces Prolog. The Various Features Of Prolog Are Suitably Highlighted And Programming Techniques Are Explained In Detail With Illustrative Examples. The Book Further Explains Control Primitives And Meta Level Programming. The Text Includes A Large Number Of Solved Examples To Illustrate The Concepts And Techniques. Review Exercises Are Given At The End Of Each Chapter. The Book Would Serve As An Excellent Text For Undergraduate And Postgraduate Computer Science And Engineering Students Pursuing Courses On Artificial Intelligence And Expert

Systems.

C4.5 - J. Ross Quinlan 1993

This book is a complete guide to the C4.5 system as implemented in C for the UNIX environment. It contains a comprehensive guide to the system's use, the source code (about 8,800 lines), and implementation notes.

Search in Artificial Intelligence -

Leveen Kanal 2012-12-06

Search is an important component of problem solving in artificial intelligence (AI) and, more generally, in computer science, engineering and operations research.

Combinatorial optimization, decision analysis, game playing, learning, planning, pattern

recognition, robotics and theorem proving are some of the areas in which search algorithms play a key role. Less than a decade ago the conventional wisdom in artificial intelligence was that the best search algorithms had already been invented and the likelihood of finding new results in this area was very small.

Since then many new insights and results have been obtained.

For example, new algorithms for state space, AND/OR graph, and game tree search were discovered. Articles on new theoretical developments and experimental results on backtracking, heuristic search and constraint propagation

were published. The relationships among various search and combinatorial algorithms in AI, Operations Research, and other fields were clarified. This volume brings together some of this recent work in a manner designed to be accessible to students and professionals interested in these new insights and developments.

Information, Communication and Computing Technology - Saroj Kaushik 2017-10-10

This book constitutes the refereed proceedings of the Second International Conference on Information, Communication and Computing Technology, ICICCT 2017, held in New Delhi, India, in May

2017. The 29 revised full papers and the 5 revised short papers presented in this volume were carefully reviewed and selected from 219 submissions.

The papers are organized in topical sections on network systems and communication security; software engineering; algorithm and high performance computing.

Learning from Multiple Social Networks - Liqiang Nie 2016-04-21

With the proliferation of social network services, more and more social users, such as individuals and organizations, are simultaneously involved in multiple social networks for various purposes. In fact,

multiple social networks characterize the same social users from different perspectives, and their contexts are usually consistent or complementary rather than independent. Hence, as compared to using information from a single social network, appropriate aggregation of multiple social networks offers us a better way to comprehensively understand the given social users. Learning across multiple social networks brings opportunities to new services and applications as well as new insights on user online behaviors, yet it raises tough challenges: (1) How can we map different social network

accounts to the same social users? (2) How can we complete the item-wise and block-wise missing data? (3) How can we leverage the relatedness among sources to strengthen the learning performance? And (4) How can we jointly model the dual-heterogeneities: multiple tasks exist for the given application and each task has various features from multiple sources? These questions have been largely unexplored to date. We noticed this timely opportunity, and in this book we present some state-of-the-art theories and novel practical applications on aggregation of multiple social networks. In particular,

we first introduce multi-source dataset construction. We then introduce how to effectively and efficiently complete the item-wise and block-wise missing data, which are caused by the inactive social users in some social networks. We next detail the proposed multi-source mono-task learning model and its application in volunteerism tendency prediction. As a counterpart, we also present a mono-source multi-task learning model and apply it to user interest inference. We seamlessly unify these models with the so-called multi-source multi-task learning, and demonstrate several application scenarios, such as occupation

prediction. Finally, we conclude the book and figure out the future research directions in multiple social network learning, including the privacy issues and source complementarity modeling. This is preliminary research on learning from multiple social networks, and we hope it can inspire more active researchers to work on this exciting area. If we have seen further it is by standing on the shoulders of giants.

Computational Collective Intelligence - Ngoc Thanh

Nguyen 2020-11-23

This volume constitutes the refereed proceedings of the 12th International Conference on Computational Collective

Intelligence, ICCCI 2020, held in Da Nang, Vietnam, in November 2020.* The 70 full papers presented were carefully reviewed and selected from 314 submissions. The papers are grouped in topical sections on: knowledge engineering and semantic web; social networks and recommender systems; collective decision-making; applications of collective intelligence; data mining methods and applications; machine learning methods; deep learning and applications for industry 4.0; computer vision techniques; biosensors and biometric techniques; innovations in intelligent systems; natural language

processing; low resource languages processing; computational collective intelligence and natural language processing; computational intelligence for multimedia understanding; and intelligent processing of multimedia in web systems.

*The conference was held virtually due to the COVID-19 pandemic.

Artificial Intelligence - Saroj Kaushik 2011

New Trends in Software Methodologies, Tools and Techniques - A. Selamat
2014-08-29

Software is the essential enabling means for science and

the new economy. It helps us to create a more reliable, flexible and robust society. But software often falls short of our expectations. Current methodologies, tools, and techniques remain expensive and are not yet sufficiently reliable, while many promising approaches have proved to be no more than case-by-case oriented methods. This book contains extensively reviewed papers from the thirteenth International Conference on New Trends in software Methodology, Tools and Techniques (SoMeT_14), held in Langkawi, Malaysia, in September 2014. The conference provides an

opportunity for scholars from the international research community to discuss and share research experiences of new software methodologies and techniques, and the contributions presented here address issues ranging from research practices and techniques and methodologies to proposing and reporting solutions for global world business. The emphasis has been on human-centric software methodologies, end-user development techniques and emotional reasoning, for an optimally harmonized performance between the design tool and the user. Topics covered include the handling of

cognitive issues in software development to adapt it to the user's mental state and intelligent software design in software utilizing new aspects on conceptual ontology and semantics reflected on knowledge base system models. This book provides an opportunity for the software science community to show where we are today and where the future may take us.

Recent Trends in

Communication and Electronics

- Sanjay Sharma 2021-06-29

The Department of Electronics and Communication

Engineering of KIET Group of Institutions, Delhi-NCR

organized the 4th International

Conference ICCE-2020 during November 28-29, 2020.

Information compiled in this book is based on the 114 research papers of excellent quality covering different domains of Electronics and Communication Engineering, Computer Science Engineering, Information Technology, Electrical Engineering, Electronics and Instrumentation Engineering. The subject areas treated in the book are:

Satellite, Radar and Microwave Techniques, Secure, Smart, and Reliable Networks, Next Generation Networks, Devices & Circuits, Signal & Image Processing, New Emerging Technologies, having the

central focus on Recent Trends in Communication & Electronics (ICCE-2020). In addition, a few themes based on Special Sessions have also been conducted in ICCE-2020. The objective of the book resulting from the 4th International Conference on Recent Trends in Communication & Electronics (ICCE-2020) is to provide a resource for the study and research work for an interested audience comprising of researchers, students, audience, and practitioners in the areas of Communications & Computing Systems.

Rating Scales in Mental Health

- Martha Sajatovic 2012-11

An extensive and up-to-date

collection and analysis of mental health ratings scales.

Rating Scales in Mental Health

is ideal for mental health

clinicians and researchers who

use psychometric instruments in

their practice. The updated

edition of this highly regarded

compendium describes and

analyzes 116 scales arranged

in 20 categories, including

anxiety, bipolar disorder,

depression, eating disorders,

geriatrics, psychosis, sexual

disorders, substance abuse,

and suicide risk. Material on

each rating scale consists of •

an overview • general

applications • selected

psychometric properties •

references and copyright

information • time needed to complete scale • a representative study Samples of many scales are included, as are tables in a quick-reference format.

The Last Nude - Ellis Avery

2012-12-31

Agreeing to model nude for Art Deco painter Tamara de Lempicka in 1927 Paris, young American Rafaela Fano inspires the artist's most iconic Jazz Age images and becomes her lover while discovering darker truths about Tamara's private life.

Artificial Intelligence - Rajiv

Chopra 2012

For the students of B.E./B.Tech Computer Science Engineering and Information Technology

(CSE/IT)

Advances in Computer Science and Information Technology -

Natarajan Meghanathan

2010-12-14

This volume constitutes the first of three parts of the refereed proceedings of the First International Conference on Computer Science and Information Technology, CCSIT 2010, held in Bangalore, India, in January 2011. The 59 revised full papers presented in this volume were carefully reviewed and selected. The papers are organized in topical sections on distributed and parallel systems and algorithms; DSP, image processing, pattern recognition, and multimedia;

software engineering; database computing, such as AI, neural
and data Mining; as well as soft networks, fuzzy systems, etc.