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COMPUTATIONAL SCIENCE AND ITS APPLICATIONS - ICCSA 2017

17TH INTERNATIONAL CONFERENCE, TRIESTE, ITALY, JULY 3-6, 2017, PROCEEDINGS, PART III

Springer 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.

SOUTH-WESTERN FEDERAL TAXATION 2017: CORPORATIONS, PARTNERSHIPS, ESTATES AND TRUSTS

Cengage Learning Now today's future and current professionals can master corporate tax concepts and today's ever-changing tax legislation with *SOUTH-WESTERN FEDERAL TAXATION 2017: CORPORATIONS, PARTNERSHIPS, ESTATES & TRUSTS, 40E*. Renowned for its understandable, time-tested presentation, this book remains the most effective solution for helping today's learners thoroughly grasp information critical to the tax preparer, such as C corporations, flow-through entities, taxes on financial statements, and tax planning. The 2017 edition reflects the latest tax legislation at publication. Proven learning features with clear examples, summaries and meaningful tax scenarios help clarify concepts and sharpen critical-thinking, writing, and research skills. Trust *SOUTH-WESTERN FEDERAL TAXATION 2017: CORPORATIONS, PARTNERSHIPS, ESTATES & TRUSTS, 40E* for the most thorough coverage of taxation concepts today. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

ORGANIZATIONAL AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

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COMPUTER VISION - ECCV 2018

15TH EUROPEAN CONFERENCE, MUNICH, GERMANY, SEPTEMBER 8-14, 2018, PROCEEDINGS, PART III

Springer The sixteen-volume set comprising the LNCS volumes 11205-11220 constitutes the refereed proceedings of the 15th European Conference on Computer Vision, ECCV 2018, held in Munich, Germany, in September 2018. The 776 revised papers presented were carefully reviewed and selected from 2439 submissions. The papers are organized in topical sections on learning for vision; computational photography; human analysis; human sensing; stereo and reconstruction; optimization; matching and recognition; video attention; and poster sessions.

NEURAL INFORMATION PROCESSING

26TH INTERNATIONAL CONFERENCE, ICONIP 2019, SYDNEY, NSW, AUSTRALIA, DECEMBER 12-15, 2019, PROCEEDINGS, PART III

Springer Nature The three-volume set of LNCS 11953, 11954, and 11955 constitutes the proceedings of the 26th International Conference on Neural Information Processing, ICONIP 2019, held in Sydney, Australia, in December 2019. The 173 full papers presented were carefully reviewed and selected from 645 submissions. The papers address the emerging topics of theoretical research, empirical studies, and applications of neural information processing techniques across different domains. The third volume, LNCS 11955, is organized in topical sections on semantic and graph based approaches; spiking neuron and related models; text computing using neural techniques; time-series and related models; and unsupervised neural models.

HCI INTERNATIONAL 2020 - POSTERS

22ND INTERNATIONAL CONFERENCE, HCII 2020, COPENHAGEN, DENMARK, JULY 19-24, 2020, PROCEEDINGS, PART III

Springer Nature The three-volume set CCIS 1224, CCIS 1225, and CCIS 1226 contains the extended abstracts of the posters presented during the 21st International Conference on Human-Computer Interaction, HCII 2020, which took place in Copenhagen, Denmark, in July 2020.* HCII 2020 received a total of 6326 submissions, of which 1439 papers and 238 posters were accepted for publication in the pre-conference proceedings after a careful reviewing process. The 238 papers presented in these three volumes are organized in topical sections as follows: Part I: design and evaluation methods and tools; user characteristics, requirements and preferences; multimodal and natural interaction; recognizing human psychological states; user experience studies; human perception and cognition. -AI in HCI. Part II: virtual, augmented and mixed reality; virtual humans and motion modelling and tracking; learning technology. Part III: universal access, accessibility and design for the elderly; smartphones, social media and human behavior; interacting with cultural heritage; human-vehicle interaction; transport, safety and crisis management; security, privacy and trust; product and service design. *The conference was held virtually due to the COVID-19 pandemic.

PATTERN RECOGNITION AND COMPUTER VISION

SECOND CHINESE CONFERENCE, PRCV 2019, XI'AN, CHINA, NOVEMBER 8-11, 2019, PROCEEDINGS, PART III

Springer Nature The three-volume set LNCS 11857, 11858, and 11859 constitutes the refereed proceedings of the Second Chinese Conference on Pattern Recognition and Computer Vision, PRCV 2019, held in Xi'an, China, in November 2019. The 165 revised full papers presented were carefully reviewed and selected from 412 submissions. The papers have been organized in the following topical sections: Part I: Object Detection, Tracking and Recognition, Part II: Image/Video Processing and Analysis, Part III: Data Analysis and Optimization.

DATABASE SYSTEMS FOR ADVANCED APPLICATIONS

27TH INTERNATIONAL CONFERENCE, DASFAA 2022, VIRTUAL EVENT, APRIL 11-14, 2022, PROCEEDINGS, PART I

Springer Nature The three-volume set LNCS 13245, 13246 and 13247 constitutes the proceedings of the 26th International Conference on Database Systems for Advanced Applications, DASFAA 2022, held online, in April 2021. The total of 72 full papers, along with 76 short papers, are presented in this three-volume set was carefully reviewed and selected from 543 submissions. Additionally, 13 industrial papers, 9 demo papers and 2 PhD consortium papers are included. The conference was planned to take place in Hyderabad, India, but it was held virtually due to the COVID-19 pandemic.

ELEMENTARY LINEAR ALGEBRA

Cengage Learning ELEMENTARY LINEAR ALGEBRA's clear, careful, and concise presentation of material helps you fully understand how mathematics works. The author balances theory with examples, applications, and geometric intuition for a complete, step-by-step learning system. To engage you in the material, a new design highlights the relevance of the mathematics and makes the book easier to read. Data and applications reflect current statistics and examples, demonstrating the link between theory and practice. The companion website LarsonLinearAlgebra.com offers free access to multiple study tools and resources. CalcChat.com offers free step-by-step solutions to the odd-numbered exercises in the text. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

FOUNDATIONS OF SOFTWARE SCIENCE AND COMPUTATION STRUCTURES

23RD INTERNATIONAL CONFERENCE, FOSSACS 2020, HELD AS PART OF THE EUROPEAN JOINT CONFERENCES ON THEORY AND PRACTICE OF SOFTWARE, ETAPS 2020, DUBLIN, IRELAND, APRIL 25-30, 2020, PROCEEDINGS

Springer Nature This open access book constitutes the proceedings of the 23rd International Conference on Foundations of Software Science and Computational Structures, FOSSACS 2020, which took place in Dublin, Ireland, in April 2020, and was held as Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2020. The 31 regular papers presented in this volume were carefully reviewed and selected from 98 submissions. The papers cover topics such as categorical models and logics; language theory, automata, and games; modal, spatial, and temporal logics; type theory and proof theory; concurrency theory and process calculi; rewriting theory; semantics of programming languages; program analysis, correctness, transformation, and verification; logics of programming; software specification and refinement; models of concurrent, reactive, stochastic, distributed, hybrid, and mobile systems; emerging models of computation; logical aspects of computational complexity; models of software security; and logical foundations of data bases.

RELATING TO VOICES USING COMPASSION FOCUSED THERAPY

A SELF-HELP COMPANION

Taylor & Francis *Relating to Voices* helps people who hear voices to develop a more compassionate understanding and relationship with their voices. In this book, authors Charlie and Eleanor create a warm and caring tone for the reader and a respectful tone for their voices. With the help of regular 'check-in boxes', the book guides the reader towards an understanding of what voices are, what they may represent, and how we can learn to work with them in a way that leads to a more peaceful relationship. It offers a shift away from viewing voices as the enemies, towards viewing them as potential allies in emotional problem-solving. This approach may be different to some others that readers have come across, which can often be about challenging voices, suppressing them, distracting from them, or getting rid of them. The Compassion Focused Therapy (CFT) approach suggests that we can learn to relate to both voices and ourselves in a way that is less about conflict and more about cooperation. This book will be a useful companion for voice-hearers as well as for their supporters and allies in their journey of self-help. It will also be of use to mental health and social service workers.

TRANSFORMING DIGITAL WORLDS

13TH INTERNATIONAL CONFERENCE, ICONFERENCE 2018, SHEFFIELD, UK, MARCH 25-28, 2018, PROCEEDINGS

Springer This book constitutes the proceedings of the 13th International Conference on Transforming Digital Worlds, iConference 2018, held in Sheffield, UK, in March 2018. The 42 full papers and 40 short papers presented together with the abstracts of 3 invited talks in this volume were carefully reviewed and selected from 219 submissions. The papers address topics such as social media; communication studies and online communities; mobile information and cloud computing; data mining and data analytics; information retrieval; information behaviour and digital literacy; digital curation; and information education and libraries.

ESSENTIAL TEXTS ON EUROPEAN AND INTERNATIONAL ASYLUM AND MIGRATION LAW AND POLICY (2ND REVISED EDITION)

Gompel&Svacina This volume comprises the relevant legal instruments and principal policy documents in the area of international and European asylum and migration, including the latest versions of pending legislative proposals. The range of issues covered is comprehensive: human rights; nationality and statelessness; equal treatment, non-discrimination, racism and xenophobia; citizenship, residence and free movement; borders, border management and entry; visa and passenger data; labour migration; family reunification; asylum, subsidiary and temporary protection; irregular migration; and trafficking in human beings. The texts have been ordered according to the multilateral co-operation level within which they were drawn up: either the United Nations, the Council of Europe or the European Union (including Schengen-level instruments). This edition provides practitioners, authorities, policy makers, scholars and students throughout Europe with an accurate, up-to-date and forward-looking compilation of essential texts on asylum and migration matters. All texts have been updated until 20 December 2018.

PSYCHOTIC DISORDERS

COMPREHENSIVE CONCEPTUALIZATION AND TREATMENTS

Oxford University Press *Psychotic Disorders: Comprehensive Conceptualization and Treatments* emphasizes a dimensional approach to psychosis--one of the most fascinating manifestations of altered brain behavior--that cuts across a broad array of psychiatric diagnoses from schizophrenia to affective psychosis and organic disorders like epilepsy and dementias. Written by an international roster of

over seventy leading experts in the field, this volume comprehensively reviews, critiques, and integrates available knowledge on the etiology, mechanisms, and treatments of psychotic disorders, and outlines ways forward in both research and clinical practice towards more objective, mechanistically-based definitions of psychotic disorders. Chapters address topics such as psychosis phenomenology, biomarkers and treatments, the overlaps and interfaces between psychiatric disorders within the psychosis dimension, and novel disease definitions. Furthermore, the volume incorporates findings on potential mechanisms, bridges between various system levels (i.e., genetic, epigenetic, molecular and cellular, brain circuit and function, psychological, social, environmental and cultural) and their interactions, as well as the potential role in causation and/or mediation in psychotic disorders. Finally, the volume outlines a broad array of treatment approaches, from the readily available (e.g., psychopharmacology, various modalities of psychotherapy) to the experimental (e.g., cognitive interventions, neuromodulation). With a concluding section of forward perspectives conjecturing future directions and related challenges, this book aspires to stimulate new knowledge, generate novel frameworks, and carry new directions forward on psychotic disorders.

PRECALCULUS: FUNCTIONS AND GRAPHS, ENHANCED EDITION

Cengage Learning The Enhanced Edition of Swokowski and Cole's PRECALCULUS: FUNCTIONS AND GRAPHS retains the elements in the Twelfth Edition that have made it so popular with instructors and students alike: clear exposition, an appealing and uncluttered layout, and applications-rich exercise sets. It features an additional chapter on Limits (Chapter 11) and an Appendix V that includes proofs related to this new chapter. The excellent, time-tested problems have been widely praised for their consistency and their appropriate level of difficulty for precalculus students. The book also provides calculator examples, including specific keystrokes that show students how to use various graphing calculators to solve problems more quickly. This Enhanced Edition features updated topical references and data and continues to be supported by outstanding technology resources. Mathematically sound, this book effectively prepares students for further courses in mathematics. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

MGMT

Cengage Learning Extensively updated to reflect the latest research in the field, MGMT continues to make concepts and theories accessible and relevant to students with timely, interesting examples of their applications at real businesses. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

CLIMATE BORDER ADJUSTMENTS AND WTO LAW

EXTENDING THE EU EMISSIONS TRADING SYSTEM TO IMPORTED GOODS AND SERVICES

BRILL In *Climate Border Adjustments and WTO Law*, Ulrike Will develops a convincing reform proposal for a climate border adjustment (BA) on imports within the EU Emission Trading System (ETS), which would be immune to disputes at the WTO and comply with international climate agreements while remaining economically feasible and straightforward to implement.

THE SEARCH FOR BIOMARKERS IN PSYCHIATRY

Frontiers Media SA

NEURAL INFORMATION PROCESSING

27TH INTERNATIONAL CONFERENCE, ICONIP 2020, BANGKOK, THAILAND, NOVEMBER 23-27, 2020, PROCEEDINGS, PART III

Springer Nature The three-volume set of LNCS 12532, 12533, and 12534 constitutes the proceedings of the 27th International Conference on Neural Information Processing, ICONIP 2020, held in Bangkok, Thailand, in November 2020. Due to COVID-19 pandemic the conference was held virtually. The 187 full papers presented were carefully reviewed and selected from 618 submissions. The papers address the emerging topics of theoretical research, empirical studies, and applications of neural information processing techniques across different domains. The third volume, LNCS 12534, is organized in topical sections on biomedical information; neural data analysis; neural network models; recommender systems; time series analysis.

TECHNICAL ABSTRACT BULLETIN

COMPUTER VISION - ACCV 2018

14TH ASIAN CONFERENCE ON COMPUTER VISION, PERTH, AUSTRALIA, DECEMBER 2-6, 2018, REVISED SELECTED PAPERS, PART VI

Springer The six volume set LNCS 11361-11366 constitutes the proceedings of the 14th Asian Conference on Computer Vision, ACCV 2018, held in Perth, Australia, in December 2018. The total of 274 contributions was carefully reviewed and selected from 979 submissions during two rounds of reviewing and improvement. The papers focus on motion and tracking, segmentation and grouping, image-based modeling, deep learning, object recognition object recognition, object detection and categorization, vision and language, video analysis and event recognition, face and gesture analysis, statistical methods and learning, performance evaluation, medical image analysis, document analysis, optimization methods, RGBD and depth camera processing, robotic vision, applications of computer vision.

PUBLIC KEY CRYPTOGRAPHY

APPLICATIONS AND ATTACKS

John Wiley & Sons Complete coverage of the current major public key cryptosystems their underlying mathematics and the most common techniques used in attacking them *Public Key Cryptography: Applications and Attacks* introduces and explains the fundamentals of public key cryptography and explores its application in all major public key cryptosystems in current use, including ElGamal, RSA, Elliptic Curve, and digital signature schemes. It provides the underlying mathematics needed to build and study these schemes as needed, and examines attacks on said schemes via the mathematical problems on which they are based - such as the discrete logarithm problem and the difficulty of factoring integers. The book contains approximately ten examples with detailed solutions, while each chapter includes forty to fifty problems with full solutions for odd-numbered problems provided in the Appendix. *Public Key Cryptography:* • Explains fundamentals of public key cryptography • Offers numerous examples and exercises • Provides excellent study tools for those preparing to take the Certified Information Systems Security Professional (CISSP) exam • Provides solutions to the end-of-chapter problems *Public Key Cryptography* provides a solid background for anyone who is employed by or seeking employment with a government organization, cloud service provider, or any large enterprise that uses public key systems to secure data.

COMPUTER VISION - ECCV 2018 WORKSHOPS

MUNICH, GERMANY, SEPTEMBER 8-14, 2018, PROCEEDINGS, PART III

Springer The six-volume set comprising the LNCS volumes 11129-11134 constitutes the refereed proceedings of the workshops that took place in conjunction with the 15th European Conference on Computer Vision, ECCV 2018, held in Munich, Germany, in September 2018. 43 workshops from 74 workshop proposals were selected for inclusion in the proceedings. The workshop topics present a good orchestration of new trends and traditional issues, built bridges into neighboring fields, and discuss fundamental technologies and novel applications.

ENGINEERED MATERIALS ABSTRACTS

EMA.

UPDATES ON NEONATAL CHRONIC LUNG DISEASE E-BOOK

Elsevier Health Sciences *Updates on Neonatal Chronic Lung Disease E-Book*

COMPUTER ANALYSIS OF IMAGES AND PATTERNS

19TH INTERNATIONAL CONFERENCE, CAIP 2021, VIRTUAL EVENT, SEPTEMBER 28-30, 2021, PROCEEDINGS, PART I

Springer Nature The two volume set LNCS 13052 and 13053 constitutes the refereed proceedings of the 19th International Conference on Computer Analysis of Images and Patterns, CAIP 2021, held virtually, in September 2021. The 87 papers presented were carefully reviewed and selected from 129 submissions. The papers are organized in the following topical sections across the 2 volumes: 3D vision, biomedical image and pattern analysis; machine learning; feature extractions; object recognition; face and gesture, guess the age contest, biometrics, cryptography and security; and segmentation and image restoration.

PRICAI 2019: TRENDS IN ARTIFICIAL INTELLIGENCE

16TH PACIFIC RIM INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE, CUVU, YANUCA ISLAND, FIJI, AUGUST 26-30, 2019, PROCEEDINGS, PART III

Springer Nature This three-volume set LNAI 11670, LNAI 11671, and LNAI 11672 constitutes the thoroughly refereed proceedings of the 16th Pacific Rim Conference on Artificial Intelligence, PRICAI 2019, held in Cuvu, Yanuca Island, Fiji, in August 2019. The 111 full papers and 13 short papers presented in these volumes were carefully reviewed and selected from 265 submissions. PRICAI covers a wide range of topics such as AI theories, technologies and their applications in the areas of social and economic importance for countries in the Pacific Rim.

PATTERN RECOGNITION

41ST DAGM GERMAN CONFERENCE, DAGM GCPR 2019, DORTMUND, GERMANY, SEPTEMBER 10-13, 2019, PROCEEDINGS

Springer Nature This book constitutes the proceedings of the 41st DAGM German Conference on Pattern Recognition, DAGM GCPR 2019, held in Dortmund, Germany, in September 2019. The 43 revised full papers presented were carefully reviewed and selected from 91 submissions. The German Conference on Pattern Recognition is the annual symposium of the German Association for Pattern Recognition (DAGM). It is the national venue for recent advances in image processing, pattern recognition, and computer vision and it follows the long tradition of the DAGM conference series.

HANDBOOK OF AI-BASED METAHEURISTICS

CRC Press At the heart of the optimization domain are mathematical modeling of the problem and the solution methodologies. The problems are becoming larger and with growing complexity. Such problems are becoming cumbersome when handled by traditional optimization methods. This has motivated researchers to resort to artificial intelligence (AI)-based, nature-inspired solution methodologies or algorithms. The Handbook of AI-based Metaheuristics provides a wide-ranging reference to the theoretical and mathematical formulations of metaheuristics, including bio-inspired, swarm-based, socio-cultural, and physics-based methods or algorithms; their testing and validation, along with detailed illustrative solutions and applications; and newly devised metaheuristic algorithms. This will be a valuable reference for researchers in industry and academia, as well as for all Master's and PhD students working in the metaheuristics and applications domains.

TECHNICAL NOTE - NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

MACHINE LEARNING AND KNOWLEDGE DISCOVERY IN DATABASES

EUROPEAN CONFERENCE, ECML PKDD 2019, WÜRZBURG, GERMANY, SEPTEMBER 16-20, 2019, PROCEEDINGS, PART III

Springer Nature The three volume proceedings LNAI 11906 - 11908 constitutes the refereed proceedings of the European Conference on Machine Learning and Knowledge Discovery in Databases, ECML PKDD 2019, held in Würzburg, Germany, in September 2019. The total of 130 regular papers presented in these volumes was carefully reviewed and selected from 733 submissions; there are 10 papers in the demo track. The contributions were organized in topical sections named as follows: Part I: pattern mining; clustering, anomaly and outlier detection, and autoencoders; dimensionality reduction and feature selection; social networks and graphs; decision trees, interpretability, and causality; strings and streams; privacy and security; optimization. Part II: supervised learning; multi-label learning; large-scale learning; deep learning; probabilistic models; natural language processing. Part III: reinforcement learning and bandits; ranking; applied data science: computer vision and explanation; applied data science: healthcare; applied data science: e-commerce, finance, and advertising; applied data science: rich data; applied data science: applications; demo track.

ADVANCES IN ENERGY SCIENCE AND EQUIPMENT ENGINEERING II VOLUME 2

PROCEEDINGS OF THE 2ND INTERNATIONAL CONFERENCE ON ENERGY EQUIPMENT SCIENCE AND ENGINEERING (ICEESE 2016), NOVEMBER 12-14, 2016, GUANGZHOU, CHINA

CRC Press The 2016 2nd International Conference on Energy Equipment Science and Engineering (ICEESE 2016) was held on November 12-14, 2016 in Guangzhou, China. ICEESE 2016 brought together innovative academics and industrial experts in the field of energy equipment science and engineering to a common forum. The primary goal of the conference is to promote research and developmental activities in energy equipment science and engineering and another goal is to promote scientific information interchange between researchers, developers, engineers, students, and practitioners working

all around the world. The conference will be held every year to make it an ideal platform for people to share views and experiences in energy equipment science and engineering and related areas. This second volume of the two-volume set of proceedings covers the field of Structural and Materials Sciences, and Computer Simulation & Computer and Electrical Engineering.

COMPUTER VISION - ACCV 2020

15TH ASIAN CONFERENCE ON COMPUTER VISION, KYOTO, JAPAN, NOVEMBER 30 - DECEMBER 4, 2020, REVISED SELECTED PAPERS, PART III

Springer Nature The six volume set of LNCS 12622-12627 constitutes the proceedings of the 15th Asian Conference on Computer Vision, ACCV 2020, held in Kyoto, Japan, in November/ December 2020.* The total of 254 contributions was carefully reviewed and selected from 768 submissions during two rounds of reviewing and improvement. The papers focus on the following topics: Part I: 3D computer vision; segmentation and grouping Part II: low-level vision, image processing; motion and tracking Part III: recognition and detection; optimization, statistical methods, and learning; robot vision Part IV: deep learning for computer vision, generative models for computer vision Part V: face, pose, action, and gesture; video analysis and event recognition; biomedical image analysis Part VI: applications of computer vision; vision for X; datasets and performance analysis *The conference was held virtually.

ECAI 2020

24TH EUROPEAN CONFERENCE ON ARTIFICIAL INTELLIGENCE, 29 AUGUST-8 SEPTEMBER 2020, SANTIAGO DE COMPOSTELA, SPAIN - INCLUDING 10TH CONFERENCE ON PRESTIGIOUS APPLICATIONS OF ARTIFICIAL INTELLIGENCE (PAIS 2020)

IOS Press This book presents the proceedings of the 24th European Conference on Artificial Intelligence (ECAI 2020), held in Santiago de Compostela, Spain, from 29 August to 8 September 2020. The conference was postponed from June, and much of it conducted online due to the COVID-19 restrictions. The conference is one of the principal occasions for researchers and practitioners of AI to meet and discuss the latest trends and challenges in all fields of AI and to demonstrate innovative applications and uses of advanced AI technology. The book also includes the proceedings of the 10th Conference on Prestigious Applications of Artificial Intelligence (PAIS 2020) held at the same time. A record number of more than 1,700 submissions was received for ECAI 2020, of which 1,443 were reviewed. Of these, 361 full-papers and 36 highlight papers were accepted (an acceptance rate of 25% for full-papers and 45% for highlight papers). The book is divided into three sections: ECAI full papers; ECAI highlight papers; and PAIS papers. The topics of these papers cover all aspects of AI, including Agent-based and Multi-agent Systems; Computational Intelligence; Constraints and Satisfiability; Games and Virtual Environments; Heuristic Search; Human Aspects in AI; Information Retrieval and Filtering; Knowledge Representation and Reasoning; Machine Learning; Multidisciplinary Topics and Applications; Natural Language Processing; Planning and Scheduling; Robotics; Safe, Explainable, and Trustworthy AI; Semantic Technologies; Uncertainty in AI; and Vision. The book will be of interest to all those whose work involves the use of AI technology.

ALGORITHMS AND ARCHITECTURES FOR PARALLEL PROCESSING

20TH INTERNATIONAL CONFERENCE, ICA3PP 2020, NEW YORK CITY, NY, USA, OCTOBER 2-4, 2020, PROCEEDINGS, PART III

Springer Nature This three-volume set LNCS 12452, 12453, and 12454 constitutes the proceedings of the 20th International Conference on Algorithms and Architectures for Parallel Processing, ICA3PP 2020, in New York City, NY, USA, in October 2020. The total of 142 full papers and 5 short papers included in this proceedings volumes was carefully reviewed and selected from 495 submissions. ICA3PP is covering the many dimensions of parallel algorithms and architectures, encompassing fundamental theoretical approaches, practical experimental projects, and commercial components and systems. As applications of computing systems have permeated in every aspects of daily life, the power of computing system has become increasingly critical. This conference provides a forum for academics and practitioners from countries around the world to exchange ideas for improving the efficiency, performance, reliability, security and interoperability of computing systems and applications. ICA3PP 2020 focus on two broad areas of parallel and distributed computing, i.e. architectures, algorithms and networks, and systems and applications.

ARTIFICIAL NEURAL NETWORKS AND MACHINE LEARNING - ICANN 2018

27TH INTERNATIONAL CONFERENCE ON ARTIFICIAL NEURAL NETWORKS, RHODES, GREECE, OCTOBER 4-7, 2018, PROCEEDINGS, PART III

Springer This three-volume set LNCS 11139-11141 constitutes the refereed proceedings of the 27th International Conference on Artificial Neural Networks, ICANN 2018, held in Rhodes, Greece, in October 2018. The papers presented in these volumes was carefully reviewed and selected from total of 360 submissions. They are related to the following thematic topics: AI and Bioinformatics, Bayesian and

Echo State Networks, Brain Inspired Computing, Chaotic Complex Models, Clustering, Mining, Exploratory Analysis, Coding Architectures, Complex Firing Patterns, Convolutional Neural Networks, Deep Learning (DL), DL in Real Time Systems, DL and Big Data Analytics, DL and Big Data, DL and Forensics, DL and Cybersecurity, DL and Social Networks, Evolving Systems – Optimization, Extreme Learning Machines, From Neurons to Neuromorphism, From Sensation to Perception, From Single Neurons to Networks, Fuzzy Modeling, Hierarchical ANN, Inference and Recognition, Information and Optimization, Interacting with The Brain, Machine Learning (ML), ML for Bio Medical systems, ML and Video-Image Processing, ML and Forensics, ML and Cybersecurity, ML and Social Media, ML in Engineering, Movement and Motion Detection, Multilayer Perceptrons and Kernel Networks, Natural Language, Object and Face Recognition, Recurrent Neural Networks and Reservoir Computing, Reinforcement Learning, Reservoir Computing, Self-Organizing Maps, Spiking Dynamics/Spiking ANN, Support Vector Machines, Swarm Intelligence and Decision-Making, Text Mining, Theoretical Neural Computation, Time Series and Forecasting, Training and Learning.

POLITICS AND THE SLAVIC LANGUAGES

Routledge During the last two centuries, ethnolinguistic nationalism has been the norm of nation building and state building in Central Europe. The number of recognized Slavic languages (in line with the normative political formula of language = nation = state) gradually tallied with the number of the Slavic nation-states, especially after the breakups of Czechoslovakia, the Soviet Union and Yugoslavia. But in the current age of borderless cyberspace, regional and minority Slavic languages are freely standardized and used, even when state authorities disapprove. As a result, since the turn of the 19th century, the number of Slavic languages has varied widely, from a single Slavic language to as many as 40. Through the story of Slavic languages, this timely book illustrates that decisions on what counts as a language are neither permanent nor stable, arguing that the politics of language is the politics in Central Europe. The monograph will prove to be an essential resource for scholars of linguistics and politics in Central Europe.

HANDBOOK OF TOURISM IMPACTS

SOCIAL AND ENVIRONMENTAL PERSPECTIVES

Edward Elgar Publishing This Handbook provides a comprehensive overview of current developments, issues and good practices regarding assessment in social science research. It pays particular attention to the challenges in evaluation policies in the social sciences, as well as to the specificities of publishing in the area.

BLADDER CANCER

A PRACTICAL GUIDE

Springer Nature This book provides a practical, comprehensive, state-of-the-art review of bladder cancer. A valuable resource for anyone with an interest in urothelial tumors, this text brings together a multidisciplinary team of experts who have distilled their vast years of experience and knowledge into a concise, easy to digest format. Topics covered range from importance of a pattern recognition in diagnosis and pathologic evaluation to ‘how I do it’ tips on patient selection for appropriate therapies such as chemotherapy, immunotherapy, surgery and radiation. Bridging the gap between a traditional textbook and hands-on experience, this book provides a practical guide to managing day-to-day issues and challenges and brings an algorithmic approach to avoid common pitfalls. Bladder Cancer: A Practical Guide provides a concise yet comprehensive summary of the current status of the field of bladder cancer treatment, guiding patient management and stimulating investigative efforts.

ESSENTIAL STABILITY THEORY

Cambridge University Press Since their inception, the Perspectives in Logic and Lecture Notes in Logic series have published seminal works by leading logicians. Many of the original books in the series have been unavailable for years, but they are now in print once again. Stability theory was introduced and matured in the 1960s and 1970s. Today stability theory influences and is influenced by number theory, algebraic group theory, Riemann surfaces, and representation theory of modules. There is little model theory today that does not involve the methods of stability theory. In this volume, the fourth publication in the Perspectives in Logic series, Steven Buechler bridges the gap between a first-year graduate logic course and research papers in stability theory. The book prepares the student for research in any of today's branches of stability theory, and gives an introduction to classification theory with an exposition of Morley's Categoricity Theorem.