

Heidelberg Sherlock Software

The story of this book began with my dif?cult transition from teaching international economics and econometrics in Economics Ph. D. programs at Harvard and UCLA to teaching in the MBA programs at the Anderson School at UCLA. On the basis of 20 years of apparent teaching success in Ph. D. education, I arrived at the Anderson School in 1990 with a self-image as a star teacher, but I was greeted with highly disturbingmediocreteachingevaluations.

Facedwithdatasethatwasinconsistentwith my view of reality, I did what analysts usually do – I formulated a theory why the data were misleading. Here is how I thought about it. Two aspects of the course – content and amu- ment – drive numerical course evaluations. If you rank courses by the average of the content score and the amusement score, then the component that can be measured most accurately will determine the ranking. Do you understand why? It is what - erating does: it eliminates the noise. Suppose, for example, that a student cannot tell anything about the content, and the content score is simply a random number, varying from student to student. Those random numbers will average out across students to about the same number for each course. As the average course content score is about the same for every course, it is the amusement score that will drive the rankings.

This collection of short expository, critical and speculative texts offers a field guide to the cultural, political, social and aesthetic impact of software. Experts from a range of disciplines each take a key topic in software and the understanding of software, such as algorithms and logical structures.

This book constitutes the refereed proceedings of the Third International Workshop on Information Security, ISW 2000, held in Wollongong, Australia in December 2000. The 23 revised full papers presented were carefully reviewed and selected from 63 submissions. The papers are organized in topical sections on multimedia copyright protection, e-commerce, key management, network security and access control, and cryptographic systems.

This book constitutes the thoroughly refereed post-conference proceedings of the 27th International Symposium on Logic-Based Program Synthesis and Transformation, LOPSTR 2017, held in Namur, Belgium, in October 2017. The 19 revised full papers were carefully reviewed and selected from 29 submissions. In addition to the 19 revised papers, this volume includes the abstracts of the invited talks by three outstanding speakers: Sumit Gulwani, Marieke Huisman, and Grigore Roşu. The aim of the LOPSTR series is to stimulate and promote international research and collaboration on logic-based program development. LOPSTR is open to contributions in all aspects of logic-based program development, all stages of the software life cycle, and issues of both programming-in-the-small and programming-in-the-large. LOPSTR traditionally solicits contributions, in any language paradigm, in the areas of synthesis, specification, transformation, analysis and verification, specialization, testing and certification, composition, program/model manipulation, optimization, transformational techniques in SE, inversion, applications, and tools.

Formal Methods Teaching

Bioinformatics Research and Applications

Towards a European Forest Information System

8th International Conference, ICVS 2011, Sophia Antipolis, France, September 20-22, 2011, Proceedings

IFIP WG 8.4, 8.9, TC 5 International Cross Domain Conference and Workshop on Availability, Reliability, and Security, CD-ARES 2012, Prague, Czech Republic, August 20-24, 2012, Proceedings

9th International Workshop, WABI 2009, Philadelphia, USA, September 12-13, 2009, Proceedings

First International Workshop, FISEE 2019, Villebrumier, France, November 11-13, 2019, Invited Papers

This book constitutes the refereed proceedings of the 8th International Conference on Computer Vision Systems, ICVS 2011, held in Sophia Antipolis, France, in September 2009. The 22 revised papers presented were carefully reviewed and selected from 58 submissions. The papers are organized in topical sections on vision systems, control of perception, performance evaluation, activity recognition, and knowledge directed vision.

This book constitutes the refereed proceedings of the 48th Annual Conference of the Southern African Computer Lecturers' Association on ICT Education, SACLA 2019, held in Northern Drakensberg, South Africa, in July 2019. The 16 revised full papers presented were carefully reviewed and selected from 57 submissions. The papers are organized in following topical sections: computer programming education; system security education; software engineering education; education of students, our profession.

This volume contains a selection of the best contributions delivered at the 5th InternationalMeetingonComputationalIntelligenceMethodsforBioinformaticsandBiostatistics(CIBB 2008)held atIASS ‘E. R. Caianiello’,Vetrii sul Mare, Salerno, Italy during October 3-4, 2008. The CIBB meeting series is organized by the Special Interest Group on Bioinformatics of the International Neural Network Society (INNS) to provide a forum open to researchersfrom dif?erent disciplines to present and techniques in bioinformatics, systems biology and medical informatics with a particular focus on neural networks, machine learning, fuzzy logic, and evolutionary computational methods. Previous CIBB meetings were held with an increasing number of participants within the f- mat of a special session of larger conferences, namely, WIRM 2004 in Perugia, WILF 2005 in Crema, FLINS 2006 in Genoa and WILF 2007 in Camogli. Given the great success of the special session at WILF 2007 selection, the 2008 edition of CIBB was organized, at last, as an autonomous conference, governed by its own Steering Committee. CIBB 2008 attracted 69 paper submissions from all over the world. A r- ous peer-review selection process was applied to ultimately select the papers included in the program of the conference. This volume collects the best cont- butions presented at the conference. Moreover, the volume also includes three presentations from keynote speakers. the contribution of many people.

This book constitutes the proceedings of the 13th conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, held in Dortmund, Germany, in June 2010.

Computer Safety, Reliability, and Security, SAFECOMP 2020 Workshops

Bioinformatics Research and Application

Grand Timely Topics in Software Engineering

DECSoS 2020, DepDevOps 2020, USDAI 2020, and WAISE 2020, Lisbon, Portugal, September 15, 2020, Proceedings

48th Annual Conference of the Southern African Computer Lecturers' Association, SACLA 2019, Northern Drakensberg, South Africa, July 15-17, 2019, Revised Selected Papers

5th International Meeting, CIBB 2008 Vietri Sul Mare, Italy, October 3-4, 2008 Revised Selected Papers

Computational Intelligence Methods for Bioinformatics and Biostatistics

This book contains the thoroughly refereed technical papers presented in six workshops collocated with the International Conference on Software Technologies: Applications and Foundations, STAF 2016, held in Vienna, Austria, in July 2016. The six workshops whose papers are included in this volume are: DataMod, GCM, HOFM, MELO, SEMS, and VeryComp. The 33 full and 3 short papers presented were carefully reviewed and selected from 53 submissions. They focus on practical and foundational advances in software technology covering a wide range of aspects including formal foundations of software technology, testing and formal analysis, graph transformations and model transformations, model driven engineering, and tools.

The 3-volume set LNCS 8510, 8511 and 8512 constitutes the refereed proceedings of the 16th International Conference on Human-Computer Interaction, HCI 2014, held in Heraklion, Crete, Greece in June 2014. The total of 1476 papers and 220 posters presented at the HCI 2014 conferences was carefully reviewed and selected from 4766 submissions. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers thoroughly cover the entire field of human-computer interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas.

This book constitutes the refereed proceedings of the 6th Mexican Conference on Pattern Recognition, M CPR 2014, held in Cancun, Mexico, in June 2014. The 39 revised full papers presented were carefully reviewed and are organized in topical sections on pattern recognition and artificial intelligence; computer vision; image processing and analysis; animal biometric recognition and applications of pattern recognition.

In the last decade there have been rapid developments in the field of computer-based learning environments. A whole new generation of computer-based learning environments has appeared, requiring new approaches to design and development. One main feature of current systems is that they distinguish different knowledge bases that are assumed to be necessary to support learning processes. Current computer-based learning environments often require explicit representations of large bodies of knowledge, including knowledge of instruction. This book focuses on instructional models as explicit, potentially implementable representations of knowledge concerning one or more aspects of instruction. The book has three parts, relating to different aspects of the knowledge that should be made explicit in instructional models: knowledge of instructional planning, knowledge of instructional strategies, and knowledge of instructional control. The book is based on a NATO Advanced Research Workshop held at the University of Twente, The Netherlands in July 1991.

Second International Conference, BIRD 2008, Vienna, Austria, July 7-9, 2008 Proceedings

Lean Software Development in Action

Frontiers in Software Engineering Education

7th International Symposium, ISBRA 2011, Changsha, China, May 27-29, 2011, Proceedings

9th International Symposium, ISBRA 2013, Charlotte, NC, USA, May 20-22, 2013, Proceedings

Software Studies

15th International Conference, ICA3PP 2015, Zhangjiajie, China, November 18-20, 2015, Proceedings, Part III

This book constitutes the refereed proceedings of the Third International Workshop and Tutorial, FMTea 2019, Held as Part of the Third World Congress on Formal Methods, FM 2019, Porto, Portugal, October 2019. The 14 full papers presented together with 3 abstract papers were carefully reviewed and selected from 22 submissions. The papers are organized in topical sections named: Tutorial lectures; Teaching Program Verification; Teaching Program Development; and Effective Teaching Techniques.

As Valeriana MacPherson devotes herself to helping raise the children of her late sister, she slowly begins to work a special magic on her sister's unconventional hard-living husband, shipping captain Ian Patterson, a magic that blossoms when family troubles begin. Original.

This volume contains the papers which were selected for presentation at the second Bio- formatics Research and Development (BIRD) conference held in Vienna, Austria during July 7-9, 2008. BIRD covers a wide range of topics related to bioinformatics. This year sequence analysis and alignment, pathways, networks, systems biology, protein and RNA structure and function, gene expression/regulation and microarrays, databases and data integration, machine learning and data analysis were the subjects of main interest. The decisions of the Program Committee are based on the recommendations of at least three, up to five, reviews for each paper. As a result, 30 of the 61 submitted c- tributions could be accepted for the conference. We were happy to have three invited talks presented by experienced researchers providing visitors with a good overview but also some very important insights into the fascinating domain of bioinformatics. Abstracts and more information on these talks are provided in the conference program as well as at the conference site. In the second part of this volume the selected contributions of the two workshops which were held in parallel to the main conference are presented: Workshop on - namic Aspects of Perturbation, Intervention and Transition in Biological Systems – PETRIN 2008 and Workshop on Algorithms in Molecular Biology – ALBIO 2008 Poster presentations of the BIRD conference are in the companion proceedings published by the Trauner Verlag, Linz.

This volume constitutes the refereed proceedings of the 8th International Workshop on Fuzzy Logic and Applications held in Palermo, Italy in June 2009. The papers are organized in topical sections on fuzzy set theory, intuitionistic fuzzy sets, fuzzy classification and clustering, fuzzy image processing and analysis, and fuzzy systems.

8th International Workshop, WILF 2009 Palermo, Italy, June 9-12, 2009 Proceedings

9th International Conference, ICIC 2013, Nanning, China, July 28-31, 2013, Proceedings

Macroeconomic Patterns and Stories

A Lexicon

13th International Workshop on OpenMP, IWOMP 2017, Stony Brook, NY, USA, September 20–22, 2017, Proceedings

Intelligent Computing Theories and Technology

16th International Conference, HCI International 2014, Heraklion, Crete, Greece, June 22-27, 2014, Proceedings, Part I

This tutorial volume includes the revised and extended tutorials (briefings) held at the 5th International Summer School on Grand Timely Topics in Software Engineering, GTTSE 2015, in Braga, Portugal, in August 2015. GTTSE 2015 applied a broader scope to include additional areas of software analysis, empirical research, modularity, and product lines. The tutorials/briefings cover probabilistic program analysis, ontologies in software engineering, empirical evaluation of programming and programming languages, model synchronization management of software product families, “people analytics” in software development, DSLs in robotics, structured program generation techniques, advanced aspects of software refactoring, and name binding in language implementation.

This volume constitutes the refereed proceedings of the 9th International Symposium on Bioinformatics Research and Applications, ISBRA 2011, held in Changsha, China, in May 2011. The 36 revised full papers presented together with 4 invited talks were carefully reviewed and selected from 92 submissions. Topics presented span all areas of bioinformatics and computational biology, including the development of experimental or commercial systems.

This book constitutes the refereed proceedings of the 9th International Symposium on Bioinformatics Research and Applications, ISBRA 2013, held in Charlotte, NC, USA, in May 2013. The 25 revised full papers presented together with 4 invited talks were carefully reviewed and selected from 48 submissions. The papers cover a wide range of biomedical databases and data integration, high-performance bio-computing, biomolecular imaging, high-throughput sequencing data analysis, bio-ontologies, molecular evolution, comparative genomics and phylogenomics, molecular modeling and simulation, computational proteomics, population genetics, data mining and visualization, software tools and applications.

This book constitutes the refereed proceedings of the IFIP WG 8.4, 8.9, TC 5 International Cross Domain Conference and Workshop on Availability, Reliability and Security, CD-ARES 2012, held in Prague, Czech Republic, in August 2012. The 50 revised papers presented were carefully reviewed and selected for inclusion in the volume. The papers concentrate on the many aspects of information systems bridging the gap between research results in computer science and the many application fields. They are organized in the following topical sections: cross-domain applications: aspects of modeling and validation; trust,security, privacy, and safety; mobile applications; data processing and management; retrieval and complex query processing; e-commerce; and papers from the collocated International Workshop on Security and Cognitive Informatics for Homeland Defense, SeCHD 2012.

Algorithms and Architectures for Parallel Processing

Research in Computational Molecular Biology

Our Cultural Heritage

Statistical Methods and Software for High-throughput Gene Expression Experiments

13th International Conference, IPMU 2010, Dortmund, Germany, June 28–July 2, 2010, Proceedings, Part II

Moving to Mac OS X Painlessly

Pattern Recognition and Machine Learning

This book constitutes the proceedings of the Workshops held in conjunction with SAFECOMP 2020, 39th International Conference on Computer Safety, Reliability and Security, Lisbon, Portugal, September 2020. The 26 regular papers included in this volume were carefully reviewed and selected from 45 submissions; the book also contains one invited paper. The workshops included in this volume are: DECSoS 2020: 15th Workshop on Dependable Smart Embedded and Cyber-Physical Systems and Systems-of-Systems. DepDevOps 2020: First International Workshop on Dependable Operation Continuum Methods for Dependable Cyber-Physical Systems. USDAI 2020: First International Workshop on Safe Distributed AI. WAISE 2020: Third International Workshop on Artificial Intelligence Safety Engineering. The workshops were held virtually due to the COVID-19 pandemic.

* Mac users confront major technical challenges when upgrading to OS X; this is the only book dedicated to helping them through the upgrade without a hassle * Anticipates common (and not-so-common) problems, giving readers the necessary information to avoid them * Guides the reader step by step through preparing for the installation, making sure the Mac, peripherals, and software are ready for the upgrade, then covers the full installation process, from the easy upgrade path to the so-called “clean” installation * Introduces the setup and configuration process and explains how Mac OS X differs from its predecessors * Features extensive troubleshooting advice, including how to handle problems that might occur even if all the proper setup procedures are followed

This is the first textbook on pattern recognition to present the Bayesian viewpoint. The book presents approximate inference algorithms that permit fast approximate answers in situations where exact answers are not feasible. It uses graphical models to describe probability distributions when no other books apply graphical models to machine learning. No previous knowledge of pattern recognition or machine learning concepts is assumed. Familiarity with multivariate calculus and basic linear algebra is required, and some experience in the use of probabilities would be helpful though not essential as the book includes a self-contained introduction to basic probability theory.

This volume presents the revised lecture notes of selected talks given at the Fifth Central European Functional Programming School, CEFP 2013, held in July 2013 in Cluj-Napoca, Romania. The 14 revised full papers presented were carefully reviewed and selected. The lectures cover a wide range of distributed and multicore functional programming subjects. The last 5 papers are selected papers of the PhD Workshop organized for the participants of the summer school.

Bioinformatics Research and Development

8th IFIP WG 5.11 International Symposium, ISESS 2011, Brno, Czech Republic, June 27-29, 2011, Proceedings

Third International Workshop and Tutorial, FMTea 2019, Held as Part of the Third World Congress on Formal Methods, FM 2019, Porto, Portugal, October 7, 2019, Proceedings

Multidisciplinary Research and Practice for Informations Systems

Easyread Super Large 20pt Edition

9th Summer School, CEFP 2013, Cluj-Napoca, Romania, July 8-20, 2013, Revised Selected Papers

This year's proceedings features a wide variety of papers focusing on cutting edge topics that prove to be an excellent catalyst for further research and collaboration. Topics range from multimedia applications, enabled web services, algorithms, software engineering and development, communication, storage, and retrieval, to e-Learning and Bioinformatics. These topics are playing very important roles for creating next generation multimedia architectures, solutions and applications in the areas of content creation, distribution, authentication, presentation, and, e-Learning and Bioinformatics.

This book constitutes the proceedings of the 17th International Conference on Discovery Science, DS 2016, held in banff, AB, Canada in October 2016. The 30 full papers presented together with 5 abstracts of invited talks in this volume were carefully reviewed and selected from 60 submissions.The conference focuses on following topics: Advances in the development and analysis of methods for discovering scientific knowledge, coming from machine learning, data mining, and intelligent data analysis, as well as their application in various scientific domains.

This book constitutes the refereed proceedings of the 9th International Conference on Intelligent Computing, ICIC 2013, held in Nanning, China, in July 2013. The 79 revised full papers presented were carefully reviewed and selected from 561 submissions. The papers are organized in topical sections on systems biology and computational biology; cognitive science and computational neuroscience; knowledge discovery and data mining; machine learning theory and methods; biomedical informatics theory and methods; complex systems theory and methods; natural language processing and computational linguistics; fuzzy theory and models; fuzzy systems and soft computing; particle swarm optimization and niche technology; swarm intelligence and optimization; unsupervised and reinforcement learning; intelligent computing in bioinformatics; intelligent computing in Petri nets/transportation systems; intelligent computing in intelligent computing in network software/hardware; intelligent sensor networks; intelligent fault diagnosis; intelligent computing in signal processing; intelligent computing in pattern recognition; intelligent computing in biometrics; recognition; intelligent computing in image processing; intelligent computing in computer vision; special session on biometrics system and security for intelligent computing; special session on bio-inspired computing and applications; special session on intelligent computing and personalized assisted living; computer human interaction using multiple visual cues and intelligent computing; and special session on protein and gene bioinformatics: analysis, algorithms and applications.

Biological systems are inherently stochastic and uncertain. Thus, research in bioinformatics, biomedical engineering and computational biology has to deal with a large amount of uncertainties. Fuzzy logic has shown to be a powerful tool in capturing different uncertainties in engineering systems. In recent years, fuzzy logic based modeling and analysis approaches are also becoming popular in analyzing biological data and modeling biological systems. Numerous research and application results have been reported that demonstrated the effectiveness of fuzzy logic in solving a wide range of biological problems found in bioinformatics, biomedical engineering, and computational biology. Contributed by leading experts world-wide, this edited book contains 16 chapters presenting representative research results on the application of fuzzy systems to genome sequence assembly, gene expression analysis, promoter analysis, cis-regulation logic analysis and synthesis, reconstruction of genetic and cellular networks, as well as biomedical problems, such as medical image processing, electrocardiogram data classification and anesthesia monitoring and control. This volume is a valuable reference for researchers, practitioners, as well as graduate students working in the field of bioinformatics, biomedical engineering and computational biology.

Fuzzy Logic and Applications

4th International Conference, HCSE 2012, Toulouse, France, October 29-31, 2012, Proceedings

Instructional Models in Computer-Based Learning Environments

Scaling OpenMP for Exascale Performance and Portability

Software Technologies: Applications and Foundations

6th Mexican Conference, M CPR 2014, Cancun, Mexico, June 25-28, 2014, Proceedings

27th International Symposium, LOPSTR 2017, Namur, Belgium, October 10-12, 2017, Revised Selected Papers

This book constitutes the refereed proceedings of the 9th IFIP WG 5.11 International Symposium on Environmental Software Systems, ISESS 2011, held in Brno, Czech Republic, in June 2011. The 68 revised full papers presented together with four invited talks were carefully reviewed and selected from numerous submissions. The papers are organized in the following topical sections: eEnvironment and cross-border services in digital agenda for Europe; environmental information systems and services - infrastructures and platforms; semantics and environment; information tools for global environmental assessment; climate services and environmental tools for urban planning and climate change - applications and services.

This book constitutes the refereed papers from the First International Workshop on Frontiers in Software Engineering Education, FISEE 2019, which took place during November 11-13, 2019, at the Château de Villebrumier, France. The 25 papers included in this volume were considerably enhanced after the conference and during two different peer-review phases. The contributions cover a wide range of problems in teaching software engineering and are organized in the following sections: Course experience, lessons learnt, curriculum and course design; competitions and workshops; empirical studies, tools and automation; globalization of education; and learning by doing. The final part “TOOLS Workshop: Artificial and Natural Tools (ANT)” contains submissions presented at a different, but related, workshop run at Innopolis University (Russia) in the context of the TOOLS 2019 conference. FISEE 2019 is part of a series of scientific events held at the new LASER center in Villebrumier near Moutauban and Toulouse, France.

This is a revised edition of the 1rst printing which appeared in 2002. The book is based on lectures at the University of Bergen, Norway.Over the years these lectures have covered many different aspects and facets of the wonderful ?eld of geometry. Consequently it has never been possible to give a full and ?nal account of geometry as such, at an undergraduatelevel: A carefully consideredselection has always been necessary. The present book constitutes the main central themes of these selections. One of the groups I am aiming at, is future teachers of mathematics. All too often the textsdealingwith geometrywhichgo intothe syllabusofteacher-students present the material in ways which appear pedantic and formalistic, suppressing the very powerful and dynamic character of this old ?eld, which at the same time so young. Geometry is a ?eld of mathematical insight, research, history and source of artistic inspiration. And not least important, an integral part of our common cultural heritage.

This book illustrates how goal-oriented, automated measurement can be used to create Lean organizations and to facilitate the development of Lean software, while also demonstrating the practical implementation of Lean software development by combining tried and trusted tools. In order to be successful, a Lean orientation of software development has to go hand in hand with a company's overall business strategy. To achieve this, two interrelated aspects require special attention: measurement and experience management. In this book, Janes and Succì provide the necessary knowledge to establish “Lean software company thinking,” while also exploiting the latest approaches to software measurement. A comprehensive, company-wide measurement approach is exactly what companies need in order to align their activities to the demands of their stakeholders, to their business strategy, etc. With the automatic, non-invasive measurement approach proposed in this book, even small and medium-sized enterprises that do not have the resources to introduce heavyweight processes will be able to make their software development processes considerably more Lean. The book is divided into three parts. Part I, “Motivation for Lean Software Development,” explains just what “Lean Production” means, why it can be advantageous to apply Lean concepts to software engineering, and which existing approaches are best suited to achieving this. Part II, “The Pillars of Lean Software Development,” presents the tools needed to achieve Lean software development: Non-invasive Measurement, the Goal Question Metric approach, and the Experience Factory. Finally, Part III, “Lean Software Development in Action,” shows how different tools can be combined to enable Lean Thinking in software development. The book primarily addresses the needs of all those working in the field of software engineering who want to understand how to establish an efficient and effective software development process. This group includes developers, managers, and students pursuing an M.Sc. degree in software engineering.

In Name Only

ICT Education

Environmental Software Systems. Frameworks of eEnvironment

A Double Barrelled Detective Story

13th Annual International Conference, RECOMB 2009, Tucson, Arizona, USA, May 18-21, 2009, Proceedings

Multimedia Software Engineering

Fuzzy Systems in Bioinformatics and Computational Biology

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This book constitutes the refereed proceedings of the 4th International Conference on Human-Centered Software Engineering, HCSE 2012, held in Toulouse, France, in October 2012. The twelve full papers and fourteen short papers presented were carefully reviewed and selected from various submissions. The papers cover the following topics: user interface design, examining the relationship between software engineering and human-computer interaction and on how to strengthen user-centered design as an essential part of software engineering processes.

This proceedings contains papers from the 2009 Workshop on Algorithms in Bioinformatics (WABI), held at the University of Pennsylvania in Philadelphia, Pennsylvania during September 12-13, 2009. WABI 2009 was the ninth annual conference in this series, which focuses on novel algorithms that address imp- tantproblemsingenomics,molecularbiology,andevolution.Theconference-phasizes research that describes computationally efcient algorithms and data structures that have been implemented and tested in simulations and on real data. WABI is sponsored by the European Association for Theoretical C- puter Science (EATCS) and the International Society for Computational Bi- ology (ISCB). WABI 2009 was supported by the Penn Genome Frontiers Institute and the Penn Center for Bioinformatics at the University of Pennsylvania. For the 2009 conference, 90 full papers were submitted for review by the Program Committee, and from this strong ?eld of submissions, 34 papers were chosen for presentation at the conference and publication in the proceedings. The ?nal programcovered a wide range of topics including gene interaction n- works, molecular phylogeny, RNA and protein structure, and genome evolution..

This book constitutes the refereed proceedings of the 13th Annual International Conference on Research in Computational Molecular Biology, RECOMB 2009, held in Tucson, Arizona, USA in May 2009. The 37 revised full papers presented were carefully reviewed and selected from 166 submissions. As the top conference in computational molecular biology, RECOMB addresses all current issues in algorithmic, theoretical, and experimental bioinformatics such as molecular sequence analysis, recognition of genes and regulatory elements, molecular evolution, protein structure, structural genomics, gene expression, gene networks, drug design, combinatorial libraries, computational proteomics, as well as structural and functional genomics.

Pattern Recognition

Third International Workshop, ISW 2000, Wollongong, Australia, December 20-21, 2000. Proceedings

Computer Vision Systems

Logic-Based Program Synthesis and Transformation

Central European Functional Programming School

Discovery Science

STAF 2016 Collocated Workshops: DataMod, GCM, HOFM, MELO, SEMS, VeryComp, Vienna Austria, July 4-8, 2016, Revised Selected Papers

This four volume set LNCS 9528, 9529, 9530 and 9531 constitutes the refereed proceedings of the 15th International Conference on Algorithms and Architectures for Parallel Processing, ICA3PP 2015, held in Zhangjiajie, China, in November 2015. The 219 revised full papers presented together with 77 workshop papers in these four volumes were carefully reviewed and selected from 807 submissions (602 full papers and 205 workshop papers). The first volume comprises the following topics: parallel and distributed architectures; distributed and network-based computing and internet of things and cyber-physical-social

computing. The second volume comprises topics such as big data and its applications and parallel and distributed algorithms. The topics of the third volume are: applications of parallel and distributed computing and service dependability and security in distributed and parallel systems. The covered topics of the fourth volume are: software systems and programming models and performance modeling and evaluation.

This book constitutes the proceedings of the 13th International Workshop on OpenMP, IWOMP 2017, held in Stony Brook, NY, USA, in September 2017. The 23 full papers presented in this volume were carefully reviewed and selected from 28 submissions. They were organized in topical sections named: Advanced Implementations and Extensions; OpenMP Application Studies; Analyzing and Extending Tasking; OpenMP 4 Application Evaluation; Extended Parallelism Models; Performance Analysis and Tools; and Advanced Data Management with OpenMP. The report gives an insight into the potential architecture of a European Forest Information System, its system components and potential applications. A demonstration version was built and tested with various data types. Options are presented on how an operational forest information system could run within a network of distributed datasets.

Algorithms in Bioinformatics

Information Processing and Management of Uncertainty in Knowledge-Based Systems

International Summer School GTTSE 2015, Braga, Portugal, August 23-29, 2015, Tutorial Lectures

Human-Computer Interaction. Theories, Methods, and Tools

Geometry

Information Security

Human-Centered Software Engineering