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KEY=SOLUTION - LACI DEVIN

Data Intensive Distributed Computing: Challenges and Solutions for Large-scale Information Management

Challenges and Solutions for Large-scale Information Management

IGI Global "This book focuses on the challenges of distributed systems imposed by the data intensive applications, and on the different state-of-the-art solutions proposed to overcome these challenges"--Provided by publisher.

Emerging Research in Cloud Distributed Computing Systems

IGI Global Traditional computing concepts are maturing into a new generation of cloud computing systems with wide-spread global applications. However, even as these systems continue to expand, they are accompanied by overall performance degradation and wasted resources. Emerging Research in Cloud Distributed Computing Systems covers the latest innovations in resource management, control and monitoring applications, and security of cloud technology. Compiling and analyzing current trends, technological concepts, and future directions of computing systems, this publication is a timely resource for practicing engineers, technologists, researchers, and advanced students interested in the domain of cloud computing.

eScience on Distributed Computing Infrastructure

Achievements of PLGrid Plus Domain-Specific Services and Tools

Springer To help researchers from different areas of science understand and unlock the potential of the Polish Grid Infrastructure and to define their requirements and expectations, the following 13 pilot communities have been organized and involved in the PLGrid Plus project: Acoustics, AstroGrid-PL, Bioinformatics, Ecology, Energy Sector, Health Sciences, HEPGrid, Life Science, Materials, Metallurgy, Nanotechnologies, Quantum Chemistry and Molecular Physics, and SynchroGrid. The book describes the experience and scientific results achieved by the project partners. Chapters 1 to 8 provide a general overview of research and development activities in the framework of the project with emphasis on services for different scientific areas and an update on the status of the PL-Grid infrastructure, describing new developments in security and middleware. Chapters 9 to 13 discuss new environments and services which may be applied by all scientific communities. Chapters 14 to 36 present how the PLGrid Plus environments, tools and services are used in advanced domain specific computer simulations; these chapters present computational models, new algorithms, and ways in which they are implemented. The book also provides a glossary of terms and concepts. This book may serve as a resource for researchers, developers and system administrators working on efficient exploitation of available e-infrastructures, promoting collaboration and exchange of ideas in the process of constructing a common European e-infrastructure.

The ... International Conference on Distributed Computing Systems

Secure Volunteer Computing for Distributed Cryptanalysis

kassel university press GmbH

Metaheuristics for Scheduling in Distributed Computing Environments

Springer Science & Business Media This volume presents meta-heuristics approaches for Grid scheduling problems. It brings new ideas, analysis, implementations and evaluation of meta-heuristic techniques for Grid scheduling, which make this volume novel in several aspects.

Advanced Parallel and Distributed Computing

Evaluation, Improvement and Practice

Nova Publishers The field of parallel and distributed computing is undergoing changes at a breathtaking pace. Networked computers are now omnipresent in virtually every application, from games to sophisticated space missions. The increasing complexity, heterogeneity, largeness, and dynamism of the emerging pervasive environments and associated applications are challenging the advancement of the parallel and distributed computing paradigm. Many novel infrastructures have been or are being created to provide the necessary computational fabric for realising parallel and distributed applications from diverse domains. New models and tools are also being proposed to evaluate and predict the quality of these complicated parallel and distributed systems. Current and recent past efforts, made to provide the infrastructures and models for such applications, have addressed many underlying complex problems and have thus resulted in new tools and paradigms for effectively realising parallel and distributed systems. This book showcases these novel tools and approaches with inputs from relevant experts.

Scaling Up Machine Learning

Parallel and Distributed Approaches

Cambridge University Press This integrated collection covers a range of parallelization platforms, concurrent programming frameworks and machine learning settings, with case studies.

Parallel Computing on Distributed Memory Multiprocessors

Springer Science & Business Media Proceedings of the NATO Advanced Study Institute on Parallel Computing on Distributed Memory Multiprocessors, held at Bilkent University, Ankara, Turkey, July 1-13, 1991

Third Generation Distributed Computing Environments

nge solutions, inc Umar provides a collection of powerful services to support the e-business andm-business initiatives of today and tomorrow. (Computer Books)

Infonomics for Distributed Business and Decision-Making Environments: Creating Information System Ecology

Creating Information System Ecology

IGI Global Provides a greater understanding of issues, challenges, trends, and technologies effecting the overall utilization and management of information in modern organizations around the world.

Stabilization, Safety, and Security of Distributed Systems

8th International Symposium, SSS 2006, Dallas, TX, USA, November 17-19, 2006, Proceedings

Springer Science & Business Media This book constitutes the refereed proceedings of the 8th International Symposium on Stabilization, Safety, and Security of Distributed Systems, SSS 2006, held in Dallas, TX, USA in November 2006. The 36 revised full papers and 12 revised short papers presented together with the extended abstracts of 2 invited lectures address all aspects of self-stabilization, safety and security, recovery oriented systems and programming.

Computational Science - ICCS 2019

19th International Conference, Faro, Portugal, June 12-14, 2019, Proceedings, Part I

Springer The five-volume set LNCS 11536, 11537, 11538, 11539, and 11540 constitutes the proceedings of the 19th International Conference on Computational Science, ICCS 2019, held in Faro, Portugal, in June 2019. The total of 65 full papers and 168 workshop papers presented in this book set were carefully reviewed and selected from 573 submissions (228 submissions to the main track and 345 submissions to the workshops). The papers were organized in topical sections named: Part I: ICCS Main Track Part II: ICCS Main Track; Track of Advances in High-Performance Computational Earth Sciences: Applications and Frameworks; Track of Agent-Based Simulations, Adaptive Algorithms and Solvers; Track of Applications of Matrix Methods in Artificial Intelligence and Machine Learning; Track of Architecture, Languages, Compilation and Hardware Support for Emerging and Heterogeneous Systems Part III: Track of Biomedical and Bioinformatics Challenges for Computer Science; Track of Classifier Learning from Difficult Data; Track of Computational Finance and Business Intelligence; Track of Computational Optimization, Modelling and Simulation; Track of Computational Science in IoT and Smart Systems Part IV: Track of Data-Driven Computational Sciences; Track of Machine Learning and Data Assimilation for Dynamical Systems; Track of Marine Computing in the Interconnected World for the Benefit of the Society; Track of Multiscale Modelling and Simulation; Track of Simulations of Flow and Transport: Modeling, Algorithms and Computation Part V: Track of Smart Systems: Computer Vision, Sensor Networks and Machine Learning; Track of Solving Problems with Uncertainties; Track of Teaching Computational Science; Poster Track ICCS 2019 Chapter "Comparing Domain-decomposition Methods for the Parallelization of Distributed Land Surface Models" is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

Distributed Computing in Sensor Systems

4th IEEE International Conference, DCOSS 2008 Santorini Island, Greece, June 11-14, 2008, Proceedings

Springer Science & Business Media The book constitutes the refereed proceedings of the 4th International Conference on Distributed Computing in Sensor Systems, DCOSS 2008, held on Santorini Island, Greece, in June 2008. The 29 revised full papers and 12 revised short papers presented were carefully reviewed and selected from 116 submissions. The papers propose a multitude of novel algorithmic design and analysis techniques, systematic approaches and application development methodologies for distributed sensor networking. The papers cover aspects including energy management, communication, coverage and tracking, time synchronization and scheduling, key establishment and authentication, compression, medium access control, code update, and mobility.

Aspects of Molecular Computing

Essays Dedicated to Tom Head on the Occasion of His 70th Birthday

Springer Science & Business Media Molecular computing is a rapidly growing subarea of natural computing. On the one hand, molecular computing is concerned with the use of bio-molecules for the purpose of actual computations while, on the other hand, it attempts to understand the computational nature of molecular processes going on in living cells. The book presents a unique and authoritative state-of-the-art survey on current research in molecular computing: 30 papers by leading researchers in the area are drawn together on the occasion of the 70th birthday of Tom Head, a pioneer in molecular computing. Among the topics addressed are molecular tiling, DNA self-assembly, splicing systems, DNA-based cryptography, DNA word design, gene assembly, and membrane computing.

Distributed Computing, Artificial Intelligence, Bioinformatics, Soft Computing, and Ambient Assisted Living

10th International Work-Conference on Artificial Neural Networks, IWANN 2009 Workshops, Salamanca, Spain, June 10-12, 2009. Proceedings, Part II

Springer This volume (II) contains all publications accepted for the symposiums and workshops held in parallel with the 10th International Work-Conference on Artificial Neural Networks (IWANN 2009), covering a wide spectrum of technological areas such as distributed computing, artificial intelligence, bioinformatics, soft computing and ambient-assisted living: • DCAI 2009 (International Symposium on Distributed Computing and Artificial Intelligence), covering artificial intelligence and its applications in distributed environments, such as the Internet, electronic commerce, mobile communications, wireless devices, distributed computing, and so on. This event accepted a total of 96 submissions selected from a submission pool of 157 papers, from 12 different countries. • IWAAL 2009 (International Workshop of Ambient-Assisted Living), covering solutions aimed at increasing the quality of life, safety and health problems of elderly and disabled people by means of technology. This event accepted a total of 42 submissions selected from a submission pool of 78 papers, from 9 different countries. • IWPACBB 2009 (Third International Workshop on Practical Applications of Computational Biology and Bioinformatics), covering computational biology and bioinformatics as a possibility for knowledge discovery, modelling and optimization tasks, aiming at the development of computational models so that the response of biological complex systems to any perturbation can be predicted. This event accepted a total of 39 submissions selected from a submission pool of 75 papers, from 6 different countries.

Advances in Distributed Computing and Machine Learning

Proceedings of ICADCML 2021

Springer Nature

International Symposium on Distributed Computing and Artificial Intelligence 2008 (DCAI'08)

Springer Science & Business Media The International Symposium on Distributed Computing and Artificial Intelligence is an annual forum that brings together ideas, projects, lessons, etc. associated with distributed computing, artificial intelligence and its applications in different themes. This meeting has been held at the University of Salamanca from the 22th to the 24th of October 2008. This symposium has been organized by the Biomedicine, Intelligent Systems and Educational Technology Research Group (<http://bisite.usal.es/>) of the University of Salamanca. The technology transfer in this field is still a challenge and for that reason this type of contributions has been specially considered in this edition. This conference

is the forum in which to present application of innovative techniques to complex problems. The artificial intelligence is changing our society. Its application in distributed environments, such as the Internet, electronic commerce, mobile communications, wireless devices, distributed computing, and so on is increasing and is becoming an element of high added value and economic potential, both industrial and research. These technologies are changing constantly as a result of the large research and technical effort being undertaken in both universities and businesses. The exchange of ideas between scientists and technicians from both academic and business areas is essential to facilitate the development of systems that meet the demands of today's society.

New Advances in Distributed Computer Systems

Proceedings of the NATO Advanced Study Institute held at Bonas, France, June 15–26, 1981

Springer Science & Business Media Proceedings of the NATO Advanced Study Institute, Bonas, France, June 15-26, 1981

A Journey to Machine Learning

The Readers Paradise A Journey to Machine Learning provides a guide to building both real-life and artificial A.I. systems. The text follows a comprehensive approach consisting of concepts, methodologies, and practical examples. With this book, readers learn how to grasp the basics of Machine Learning and solve complex problems utilizing a data-driven approach. This book provides you with an introduction to machine learning which includes numerous case studies and applications so that you will also learn how to apply learning algorithms to building smart robots, text & command understanding applications and web browsers, medical informatics, audio, database mining, and other areas. As machine learning becomes more popular, its use will increase. Companies like Google, Microsoft, Amazon, etc., have been launching their cloud-based machine learning platforms, which has ignited a huge popularity surge for these techniques worldwide.

Recent Trends in Computer Networks and Distributed Systems Security

International Conference, SNDS 2012, Trivandrum, India, October 11-12, 2012, Proceedings

Springer This book constitutes the refereed proceedings of the International Conference on Recent Trends in Computer Networks and Distributed Systems Security, held in Trivandrum, India, in October 2012. The 34 revised full papers and 8 poster presentations were carefully reviewed and selected from 112 submissions. The papers cover various topics in Computer Networks and Distributed Systems.

Distributed Data Management for Grid Computing

John Wiley & Sons Discover grid computing-how to successfully build, implement, and manage widely distributed computing architecture With technology budgets under increasing scrutiny and system architecture becoming more and more complex, many organizations are rethinking how they manage and use technology. Keeping a strong business focus, this publication clearly demonstrates that the current ways of tying applications to dedicated hardware are no longer viable in today's competitive, bottom line-oriented environment. This evolution in distributed computing is leading a paradigm shift in leveraging widely distributed architectures to get the most processing power per IT dollar. Presenting a solid foundation of data management issues and techniques, this practical book delves into grid architecture, services, practices, and much more, including: * Why businesses should adopt grid computing * How to master the fundamental concepts and programming techniques and apply them successfully to reach objectives * How to maximize the value of existing IT investments The author has tailored this publication for two distinct audiences. Business professionals will gain a better understanding of how grid computing improves productivity and performance, what impact it can have on their organization's bottom line, and the technical foundations necessary to discuss grid computing with their IT colleagues. Following the author's expert guidance and practical examples, IT professionals, architects, and developers will be equipped to initiate and carry out successful grid computing projects within their own organizations.

Distributed Computer and Communication Networks

17th International Conference, DCCN 2013, Moscow, Russia, October 7-10, 2013. Revised Selected Papers

Springer This book constitutes the refereed proceedings of the 17th International Conference on Distributed Computer and Communication Networks, DCCN 2013, held in Moscow, Russia, in October 2013. The 22 revised full papers presented were carefully reviewed and selected from numerous submissions. The papers cover the following subjects: computer and communication networks architecture optimization; control in computer and communication networks; performance and QoS evaluation in wireless networks; modeling and simulation of network protocols; queueing theory; wireless IEEE 802.11, IEEE 802.15, IEEE 802.16 and UMTS (LTE) net-works; RFID technology and its application in intellectual transportation networks; protocols design (MAC, Routing) for centimeter and millimeter wave mesh networks; internet and web applications and services; application integration in distributed information systems.

Distributed Computer Control Systems

Distributed Computer Control Systems in Industrial Automation

CRC Press A reference guide for professionals or text for graduate and postgraduate students, this volume emphasizes practical designs and applications of distributed computer control systems. It demonstrates how to improve plant productivity, enhance product quality, and increase the safety, reliability, and

Distributed Applications and Interoperable Systems

22nd IFIP WG 6.1 International Conference, DAIS 2022, Held as Part of the 17th International Federated Conference on Distributed Computing Techniques, DisCoTec 2022, Lucca, Italy, June 13-17, 2022, Proceedings

Springer Nature This book constitutes the refereed proceedings of the 22nd IFIP WG 6.1 International Conference on Distributed Applications and Interoperable Systems, DAIS 2022, held in Lucca, Italy, in June 2022, as part of the 17th International Federated Conference on Distributed Computing Techniques, DisCoTec 2022. The 9 full papers and 2 short papers presented in this book were carefully reviewed and selected from 19 submissions. DAIS addresses all practical and conceptual aspects of distributed applications, including their design, modeling, implementation and operation, the supporting middleware, appropriate software engineering methodologies and tools, as well as experimental studies and applications.

Intelligent Distributed Computing XII

Springer This book gathers a wealth of research contributions on recent advances in intelligent and distributed computing, and which present both architectural and algorithmic findings in these fields. A major focus is placed on new techniques and applications for evolutionary computation, swarm intelligence, multi-agent systems, multi-criteria optimization and Deep/Shallow machine learning models, all of which are approached as technological drivers to enable autonomous reasoning and decision-making in complex distributed environments. Part of the book is also devoted to new scheduling and resource allocation methods for distributed computing systems. The book represents the peer-reviewed proceedings of the 12th International Symposium on Intelligent Distributed Computing (IDC 2018), which was held in Bilbao, Spain, from October 15 to 17, 2018.

E-Business and Distributed Systems Handbook

Overview Module

nge solutions, inc "This is overview of an extensive handbook that systematically discusses how to translate e-business strategies to working solutions by using the latest distributed computing technologies. This module of the handbook paints the big picture of the Next Generation Real-time Enterprises with numerous case studies to highlight the key points. "

Distributed Computer and Communication Networks

24th International Conference, DCCN 2021, Moscow, Russia, September 20–24, 2021, Revised Selected Papers

Springer Nature

Self-Managing Distributed Systems

14th IFIP/IEEE International Workshop on Distributed Systems: Operations and Management, DSOM 2003, Heidelberg, Germany, October 20-22, 2003, Proceedings

Springer Science & Business Media This book constitutes the refereed proceedings of the 14th IFIP/IEEE International Workshop on Distributed Systems: Operations and Management, DSOM 2003, held in Heidelberg, Germany in October 2002. The 20 revised full papers and 6 revised short papers presented together with a keynote paper were carefully reviewed and selected from a total of 105 submissions. The papers are organized in topical sections on self-configuration, peer-to-peer management, self-optimization and performance management, utility management, self-protection and access control, manageability and instrumentation, and context-awareness.

An Introduction to Distributed Systems

Addison Wesley Publishing Company This book is a practical guide to the steps and methods used in analyzing, designing, implementing, and managing distributed systems. The entire life cycle of distributed systems is discussed, including maintenance and the new technologies of office systems. It examines how work is done in real life, and the interactions between managerial and technical staff.

Intelligent Distributed Computing XIII

Springer Nature This book gathers research contributions on recent advances in intelligent and distributed computing. A major focus is placed on new techniques and applications for several highlydemanded research directions: Internet of Things, Cloud Computing and Big Data, Data Mining and Machine Learning, Multi-agent and Service-Based Distributed Systems, Distributed Algorithms and Optimization, Modeling Operational Processes, Social Network Analysis and Inappropriate Content Counteraction, Cyber-Physical Security and Safety, Intelligent Distributed Decision Support Systems, Intelligent Human-Machine Interfaces, VisualAnalytics and others. The book represents the peer-reviewed proceedings of the 13thInternational Symposium on Intelligent Distributed Computing (IDC 2019), which was held in St. Petersburg, Russia, from October 7 to 9, 2019.

Distributed Intelligence In Design

John Wiley & Sons The book contains the papers developed from the presentations at the Distributed Intelligence in Design Symposium, held in Salford in May 2009. In this context, Distributed Intelligence refers to the interdisciplinary knowledge of a range of different individuals in different organisations, with different backgrounds and experience, and the symposium discussed the media, technologies and behaviours required to support their successful collaboration. The book focusses on: how parametric and generative design media can be coupled with and managed alongside Building Information Modelling tools and systems how the cross-disciplinary knowledge is distributed and coordinated across different software, participants and organizations the characteristics of the evolving creative and collaborative practices how built environment education should be adapted to this digitally-networked practice and highly distributed intelligence in design The chapters address a range of innovative developments, methodologies, applications, research work and theoretical arguments, to present current experience and expectations as collaborative practice becomes critical in the design of future built environments.

Wiley CPAexcel Exam Review 2015 Study Guide July

Business Environment and Concepts

John Wiley & Sons "I wanted to say I bought just the four books by Wiley for each CPA section and took all 4 parts of the exam in May. I studied for about half a year, and I PASSED ALL 4 PARTS ON THE FIRST TRY!!! 95% REG, 88% FAR, 82% AUD, 81% BEC. I am very excited and happy that these books alone helped me pass!" —Gabriela Adriana Mandiuc, Boerne, Texas All the information you need to master the computerized CPA exam! The most effective system available to prepare for the CPA exam—proven for over forty years Timely, up-to-the-minute coverage for the computerized exam. Contains all current AICPA content requirements in Business Environment and Concepts Unique modular format—helps you zero in on areas that need work, organize your study program, and concentrate your efforts Comprehensive questions—over 3,800 multiple-choice questions and their solutions in the four volumes. Covers the new simulation-style problems. Includes over 280 simulations Complete sample exam in Business Environment and Concepts Guidelines, pointers, and tips—show you how to build knowledge in a logical and reinforcing way Wiley CPAexcel Exam Review Study Guide July 2015 arms test-takers with detailed outlines, study guidelines, and skill-building problems to help candidates identify, focus on, and master the specific topics that need the most work. Other titles in the WILEY CPAexcel EXAM REVIEW STUDY GUIDE 2015 FOUR-VOLUME SET: Auditing and Attestation • Financial Accounting and Reporting • Regulation See inside for an array of Wiley CPAexcel Exam Review Products!

Wiley CPA Exam Review 2012, Business Environment and Concepts

John Wiley & Sons Published annually, this comprehensive four-volume paperback reviews all four parts of the CPA exam. Many of the questions are taken directly from previous CPA exams. With 3,800 multiple-choice questions, these study guides provide all the information candidates need to master in order to pass the computerized Uniform CPA Examination.

Distributed Applications and Interoperable Systems

18th IFIP WG 6.1 International Conference, DAIS 2018, Held as Part of the 13th International Federated Conference on Distributed Computing Techniques, DisCoTec 2018, Madrid, Spain, June 18-21, 2018, Proceedings

Springer This book constitutes the proceedings of the 18th IFIP International Conference on Distributed Applications and Interoperable Systems, DAIS 2018, held in Madrid, Spain, in June 2018. The 10 papers presented together with 2 short papers in this volume were carefully reviewed and selected from 33 submissions. The papers are organized in topical sections on application domains, including stream processing, video dissemination, storage, privacy protection, and large-scale orchestration.

Parallel Solution of Integral Equation-Based EM Problems in the Frequency Domain

John Wiley & Sons A step-by-step guide to parallelizing cem codes The future of computational electromagnetics is changing drastically as the new generation of computer chips evolves from single-core to multi-core. The burden now falls on software programmers to revamp existing codes and add new functionality to enable computational codes to run efficiently on this new generation of multi-core CPUs. In this book, you'll learn everything you need to know to deal with multi-core advances in chip design by employing highly efficient parallel electromagnetic code. Focusing only on the Method of Moments (MoM), the book covers: In-Core and Out-of-Core LU Factorization for Solving a Matrix Equation A Parallel MoM Code Using RWG Basis Functions and ScaLAPACK-Based In-Core and Out-of-Core Solvers A Parallel MoM Code Using Higher-Order Basis Functions and ScaLAPACK-Based

In-Core and Out-of-Core Solvers Turning the Performance of a Parallel Integral Equation Solver Refinement of the Solution Using the Conjugate Gradient Method A Parallel MoM Code Using Higher-Order Basis Functions and Plapack-Based In-Core and Out-of-Core Solvers Applications of the Parallel Frequency Domain Integral Equation Solver Appendices are provided with detailed information on the various computer platforms used for computation; a demo shows you how to compile ScaLAPACK and PLAPACK on the Windows® operating system; and a demo parallel source code is available to solve the 2D electromagnetic scattering problems. **Parallel Solution of Integral Equation-Based EM Problems in the Frequency Domain** is indispensable reading for computational code designers, computational electromagnetics researchers, graduate students, and anyone working with CEM software.

Advances in Information Technology Research and Application: 2013 Edition

ScholarlyBrief

ScholarlyEditions **Advances in Information Technology Research and Application: 2013 Edition** is a ScholarlyBrief™ that delivers timely, authoritative, comprehensive, and specialized information about ZZZAdditional Research in a concise format. The editors have built **Advances in Information Technology Research and Application: 2013 Edition** on the vast information databases of ScholarlyNews.™ You can expect the information about ZZZAdditional Research in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of **Advances in Information Technology Research and Application: 2013 Edition** has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Technical Abstract Bulletin

Designing Reliable Distributed Systems

A Formal Methods Approach Based on Executable Modeling in Maude

Springer This classroom-tested textbook provides an accessible introduction to the design, formal modeling, and analysis of distributed computer systems. The book uses Maude, a rewriting logic-based language and simulation and model checking tool, which offers a simple and intuitive modeling formalism that is suitable for modeling distributed systems in an attractive object-oriented and functional programming style. **Topics and features:** introduces classical algebraic specification and term rewriting theory, including reasoning about termination, confluence, and equational properties; covers object-oriented modeling of distributed systems using rewriting logic, as well as temporal logic to specify requirements that a system should satisfy; provides a range of examples and case studies from different domains, to help the reader to develop an intuitive understanding of distributed systems and their design challenges; examples include classic distributed systems such as transport protocols, cryptographic protocols, and distributed transactions, leader election, and mutual execution algorithms; contains a wealth of exercises, including larger exercises suitable for course projects, and supplies executable code and supplementary material at an associated website. This self-contained textbook is designed to support undergraduate courses on formal methods and distributed systems, and will prove invaluable to any student seeking a reader-friendly introduction to formal specification, logics and inference systems, and automated model checking techniques.