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REFERENCE INDIA

BIOGRAPHICAL-NOTES ABOUT MEN & WOMEN OF ACHIEVEMENT OF TODAY & TOMORROW

ICSE FINAL REVISION GUIDE FOR SUBJECTS: TERM I CLASS 10 2021 EXAMINATION

Oswal Publishers

SOFSEM 2010: THEORY AND PRACTICE OF COMPUTER SCIENCE

36TH CONFERENCE ON CURRENT TRENDS IN THEORY AND PRACTICE OF COMPUTER SCIENCE, ŠPINDLERUV MLÝN, CZECH REPUBLIC, JANUARY 23-29, 2010. PROCEEDINGS

Springer Science & Business Media This book constitutes the refereed proceedings of the 36th Conference on Current Trends in Theory and Practice of Computer Science, SOFSEM 2010, held in Špindleruv Mlýn, Czech Republic, in January 2009. The 53 revised full papers, presented together with 11 invited contributions, were carefully reviewed and selected from 134 submissions. SOFSEM 2010 was organized around the following four tracks: Foundations of computer science, principles of software construction, Data, knowledge, and intelligent systems and Web science.

OBJECT-ORIENTED TECHNOLOGY. ECOOP 2007 WORKSHOP READER

ECOOP 2007 WORKSHOPS, BERLIN, GERMANY, JULY 30-31, 2007, FINAL REPORTS

Springer Science & Business Media This book contains the final reports of 19 workshops held during the 21st European Conference on Object-Oriented Programming, ECOOP 2007, in Berlin, Germany, in July 2007. The 19 collected reports from high-quality workshops - provided by the respective organizers - all are related to selected aspects in the field of object-oriented programming and technology. The reports are ordered in thematic groups on programming languages, aspects, formal techniques, roles, components, software engineering, and applications.

PUBLISHER'S MONTHLY

INTERNETWARE

A NEW SOFTWARE PARADIGM FOR INTERNET COMPUTING

Springer This book presents a comprehensive introduction to Internetware, covering aspects ranging from the

fundamental principles and engineering methodologies to operational platforms, quality measurements and assurance and future directions. It also includes guidelines and numerous representative real-world case studies that serve as an invaluable reference resource for software engineers involved in the development of Internetware applications. Providing a detailed analysis of current trends in modern software engineering in the Internet, it offers an essential blueprint and an important contribution to the research on software engineering and systems for future Internet computing.

OSWAAL ISC QUESTION BANK CLASS 12 COMPUTER SCIENCE BOOK (FOR 2023 EXAM)

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GENERATIVE AND TRANSFORMATIONAL TECHNIQUES IN SOFTWARE ENGINEERING III

INTERNATIONAL SUMMER SCHOOL, GTTSE 2009, BRAGA, PORTUGAL, JULY 6-11, 2009, REVISED PAPERS

Springer Science & Business Media This tutorial book presents revised and extended lecture notes for a selection of

the contributions presented at the International Summer School on Generative and Transformational Techniques in Software Engineering (GTTSE 2009), which was held in Braga, Portugal, in July 2009. The 16 articles comprise 7 long tutorials, 6 short tutorials and 3 participants contributions; they shed light on the generation and transformation of programs, data, models, metamodels, documentation, and entire software systems. The topics covered include software reverse and re-engineering, model driven engineering, automated software engineering, generic language technology, and software language engineering.

FINDING SOURCE CODE ON THE WEB FOR REMIX AND REUSE

Springer Science & Business Media In recent years, searching for source code on the web has become increasingly common among professional software developers and is emerging as an area of academic research. This volume surveys past research and presents the state of the art in the area of "code retrieval on the web." This work is concerned with the algorithms, systems, and tools to allow programmers to search for source code on the web and the empirical studies of these inventions and practices. It is a label that we apply to a set of related research from software engineering, information retrieval, human-computer interaction, management, as well as commercial products. The division of code retrieval on the web into snippet remixing and component reuse is driven both by empirical data, and analysis of existing search engines and tools. Contributors include leading researchers from human-computer interaction, software engineering, programming languages, and management. "Finding Source Code on the Web for Remix and Reuse" consists of five parts. Part I is titled "Programmers and Practices," and consists of a retrospective chapter and two empirical studies on how programmers search the web for source code. Part II is titled "From Data Structures to Infrastructures," and covers the creation of ground-breaking search engines for code retrieval required ingenuity in the adaptation of existing technology and in the creation of new algorithms and data structures. Part III focuses on "Reuse: Components and Projects," which are reused with minimal modification. Part IV is on "Remix: Snippets and Answers," which examines how source code from the web can also be used as solutions to problems and answers to questions. The book concludes with Part V, "Looking Ahead," that looks at future programming and the legalities of software reuse and remix and the implications of current intellectual property law on the future of software development. The story, "Richie Boss: Private Investigator Manager," was selected as the winner of a crowdfunded short story contest."

IMPLEMENTATION AND APPLICATION OF AUTOMATA

12TH INTERNATIONAL CONFERENCE, CIAA 2007, PRAGUE, CZECH REPUBLIC, JULY 16-18, 2007, REVISED SELECTED PAPERS

Springer This book constitutes the thoroughly refereed post-proceedings of the 12th International Conference on Implementation and Application of Automata, CIAA 2007. The 23 revised full papers and seven revised poster papers presented together with the extended abstracts of four invited lectures were carefully reviewed and have gone through two rounds of reviewing. The papers cover various topics in the theory, implementation, and applications of automata and related structures.

ENTERPRISE INFORMATION SYSTEMS

22ND INTERNATIONAL CONFERENCE, ICEIS 2020, VIRTUAL EVENT, MAY 5-7, 2020, REVISED SELECTED PAPERS

Springer Nature This book constitutes extended, revised and selected papers from the 22nd International Conference on Enterprise Information Systems, ICEIS 2020, held online during May 5-7, 2020. The 41 papers presented in this volume were carefully reviewed and selected for inclusion in this book from a total of 255 submissions. They were organized in topical sections as follows: database and information systems integration; artificial intelligence and decision support systems; information systems analysis and specification; software agents and internet computing; human-computer interaction; and enterprise architecture.

FUNDAMENTAL APPROACHES TO SOFTWARE ENGINEERING

23RD INTERNATIONAL CONFERENCE, FASE 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 Fundamental Approaches to Software Engineering, FASE 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 23 full papers, 1 tool paper and 6 testing competition papers presented in this volume were carefully reviewed and selected

from 81 submissions. The papers cover topics such as requirements engineering, software architectures, specification, software quality, validation, verification of functional and non-functional properties, model-driven development and model transformation, software processes, security and software evolution.

BREAKTHROUGHS IN SOFTWARE SCIENCE AND COMPUTATIONAL INTELLIGENCE

IGI Global "This book charts the new ground broken by researchers exploring software science as it interacts with computational intelligence"--

HUMAN-COMPUTER INTERACTION - INTERACT 2009

12TH IFIP TC 13 INTERNATIONAL CONFERENCE, UPPSALA, SWEDEN, AUGUST 24-28, 2009, PROCEEDINGS PART II

Springer INTERACT 2009 was the 12th of a series of INTERACT international conferences supported by the IFIP Technical Committee 13 on Human-Computer Interaction. This year, INTERACT was held in Uppsala (Sweden), organized by the Swedish Interdisciplinary Interest Group for Human-Computer Interaction (STIMDI) in cooperation with the Department of Information Technology at Uppsala University. Like its predecessors, INTERACT 2009 highlighted, both to the academic and to the industrial world, the importance of the human-computer interaction (HCI) area and its most recent breakthroughs on current applications. Both experienced HCI researchers and professionals, as well as newcomers to the HCI field, interested in designing or evaluating interactive software, developing new interaction technologies, or investigating overarching theories of HCI, found in INTERACT 2009 a great forum for communication with people of similar interests, to encourage collaboration and to learn. INTERACT 2009 had Research and Practice as its special theme. The reason we selected this theme is that the research within the field has drifted away from the practical applicability of its results and that the HCI practice has come to disregard the knowledge and development within the academic community.

OPEN SOURCE SYSTEMS: GROUNDING RESEARCH

7TH IFIP 2.13 INTERNATIONAL CONFERENCE, OSS 2011, SALVADOR, BRAZIL, OCTOBER 6-7, 2011,

PROCEEDINGS

Springer This book constitutes the refereed proceedings of the 7th International IFIP WG 2.13 Conference on Open Source Systems, OSS 2010, held in Salvador, Brazil, in October 2011. The 20 revised full papers presented together with 4 industrial full papers and 8 lightning talks were carefully reviewed and selected from 56 submissions. The papers are organized in the following topical sections: OSS quality and reliability, OSS products, review of technologies of and for OSS, knowledge and research building in OSS, OSS reuse, integration, and compliance, OSS value and economics, OSS adoption in industry, and mining OSS repositories.

FUTURE OF SOFTWARE ENGINEERING 2007

FOSE 2007 : 23-25 MAY 2007, MINNEAPOLIS, MINNESOTA

IEEE Sponsored by IEEE Computer Society Technical Council on Software Engineering, The ACM Special Interest Group on Software Engineering (SIGSOFT)

SIMPLIFIED ICSE CHEMISTRY

Allied Publishers

EDUCATION IN BHUTAN

CULTURE, SCHOOLING, AND GROSS NATIONAL HAPPINESS

Springer Bhutan is a country in the Himalayas with a relatively new education system and a unique governmental philosophy known as Gross National Happiness. This book explores the history, culture, challenges, and opportunities of schooling in Bhutan. It discusses topics including historical perspectives on Buddhist monastic education, the regional and international influence on educational development, traditional medical education, higher education, and the evolution of Bhutanese educational policy, to name but a few. It also investigates contemporary challenges to schooling in Bhutan such as adult education, inclusive education, early childhood education, rurality, and gender. Throughout the book, the developmental philosophy of Gross National Happiness is explored as a novel and culturally vital approach to education in Bhutan. The majority of the authors are prominent Bhutanese scholars and educational

leaders, with select non-Bhutanese international scholars with strong links to Bhutan also contributing. This book is a valuable resource not only for those specifically interested in education in Bhutan, but for anyone with an interest in South Asian studies, general Asian studies, educational development, comparative education, Buddhist education, and the Gross National Happiness development philosophy.

COMPUTER AIDED VERIFICATION

30TH INTERNATIONAL CONFERENCE, CAV 2018, HELD AS PART OF THE FEDERATED LOGIC CONFERENCE, FLOC 2018, OXFORD, UK, JULY 14-17, 2018, PROCEEDINGS, PART II

Springer This open access two-volume set LNCS 10980 and 10981 constitutes the refereed proceedings of the 30th International Conference on Computer Aided Verification, CAV 2018, held in Oxford, UK, in July 2018. The 52 full and 13 tool papers presented together with 3 invited papers and 2 tutorials were carefully reviewed and selected from 215 submissions. The papers cover a wide range of topics and techniques, from algorithmic and logical foundations of verification to practical applications in distributed, networked, cyber-physical, and autonomous systems. They are organized in topical sections on model checking, program analysis using polyhedra, synthesis, learning, runtime verification, hybrid and timed systems, tools, probabilistic systems, static analysis, theory and security, SAT, SMT and decisions procedures, concurrency, and CPS, hardware, industrial applications.

PRODUCT-FOCUSED SOFTWARE PROCESS IMPROVEMENT

8TH INTERNATIONAL CONFERENCE, PROFES 2007, RIGA, LATVIA, JULY 2-4, 2007, PROCEEDINGS

Springer Science & Business Media A vital new publication for scientists and researchers in the field, this book constitutes the refereed proceedings of the 8th International Conference on Product Focused Software Process Improvement, PROFES 2007, held in Riga, Latvia in July 2007. The 29 revised full papers, along with four reports on workshops and tutorials and four keynote addresses were carefully reviewed and selected from 55 submissions. The papers constitute a balanced mix of academic and industrial aspects; they are organized in topical sections for ease of reference.

INNOVATIONS IN DATABASE DESIGN, WEB APPLICATIONS, AND INFORMATION SYSTEMS MANAGEMENT

IGI Global New techniques and tools for database and database technologies are continuously being introduced. These technologies are the heart of many business information systems and can benefit from theories, models, and research results from other disciplines. **Innovations in Database Design, Web Applications, and Information Systems Management** presents ideal research in the areas of database theory, systems design, ontologies, and many more. Including examples of the convergence of ideas from various disciplines aimed at improving and developing the theory of information technology and management of information resources, this book is useful for researchers and practitioners in the IT field.

FOUNDATIONS OF COMPUTER SOFTWARE: FUTURE TRENDS AND TECHNIQUES FOR DEVELOPMENT

15TH MONTEREY WORKSHOP 2008, BUDAPEST, HUNGARY, SEPTEMBER 24-26, 2008, REVISED SELECTED PAPERS

Springer This book presents the thoroughly refereed and revised proceedings of the 15th Monterey Workshop, held in Budapest, Hungary, September 24-26, 2008. The theme of the workshop was Foundations of Computer Software, Future Trends and Techniques for Development. The 13 revised full papers presented at the workshop explore, how the foundations and development techniques of computer software could be adapted to address such a challenge. Material presented in the papers spans the whole software life cycle, starting from specification and analysis, design and the choice of architectures, large scale, real-world software development, code generation and configuration, deployment, and evolution.

COMPUTER AIDED VERIFICATION

23RD INTERNATIONAL CONFERENCE, CAV 2011, SNOWBIRD, UT, USA, JULY 14-20, 2011, PROCEEDINGS

Springer This book constitutes the refereed proceedings of the 23rd International Conference on Computer Aided Verification, CAV 2011, held in Snowbird, UT, USA, in July 2011. The 35 revised full papers presented together with 20 tool papers were carefully reviewed and selected from 161 submissions. The papers are organized in topical sections on the following workshops: 4th International Workshop on Numerical Software Verification (NSV 2011), 10th

International Workshop on Parallel and Distributed Methods in Verifications (PDMC 2011), 4th International Workshop on Exploiting Concurrency Efficiently and Correctly (EC2 2011), Frontiers in Analog Circuit Synthesis and Verification (FAC 2011), International Workshop on Satisfiability Modulo Theories, including SMTCOMP (SMT 2011), 18th International SPIN Workshop on Model Checking of Software (SPIN 2011), Formal Methods for Robotics and Automation (FM-R 2011), and Practical Synthesis for Concurrent Systems (PSY 2011).

REQUIREMENTS ENGINEERING: FOUNDATION FOR SOFTWARE QUALITY

25TH INTERNATIONAL WORKING CONFERENCE, REFSQ 2019, ESSEN, GERMANY, MARCH 18-21, 2019, PROCEEDINGS

Springer This book constitutes the proceedings of the 25th International Working Conference on Requirements Engineering - Foundation for Software Quality, REFSQ 2019, held in Essen, Germany, in March 2019. The 13 full papers and 9 short papers in this volume were carefully reviewed and selected from 66 submissions. The papers were organized in topical sections named: Automated Analysis; Making Sense of Requirements; Tracelink Quality; Requirements Management (Research Previews); From Vision to Specification; Automated Analysis (Research Previews); Requirements Monitoring; Open Source; Managing Requirements Knowledge at a Large Scale; in Situ/Walkthroughs (Research previews).

SOFTWARE ENGINEERING APPROACHES FOR OFFSHORE AND OUTSOURCED DEVELOPMENT

FIRST INTERNATIONAL CONFERENCE, SEAFOOD 2007, ZURICH, SWITZERLAND, FEBRUARY 5-6, 2007, REVISED PAPERS

Springer This book constitutes the thoroughly refereed post-proceedings of the First International Conference on Software Engineering Approaches for Offshore and Outsourced Development, SEAFOOD 2007, Zurich, Switzerland, in February 2007. The 15 revised full papers constitute a balanced mix of academic and industrial aspects and address topical regions such as processes, education, country reports, evaluation and assessment, communication and distribution, as well as tools.

ENGINEERING ADAPTIVE SOFTWARE SYSTEMS

COMMUNICATIONS OF NII SHONAN MEETINGS

Springer This book discusses the problems and challenges in the interdisciplinary research field of self-adaptive software systems. Modern society is increasingly filled with software-intensive systems, which are required to operate in more and more dynamic and uncertain environments. These systems must monitor and control their environment while adapting to meet the requirements at runtime. This book provides promising approaches and research methods in software engineering, system engineering, and related fields to address the challenges in engineering the next-generation adaptive software systems. The contents of the book range from design and engineering principles (Chap. 1) to control-theoretic solutions (Chap. 2) and bidirectional transformations (Chap. 3), which can be seen as promising ways to implement the functional requirements of self-adaptive systems. Important quality requirements are also dealt with by these approaches: parallel adaptation for performance (Chap. 4), self-adaptive authorization infrastructure for security (Chap. 5), and self-adaptive risk assessment for self-protection (Chap. 6). Finally, Chap. 7 provides a concrete self-adaptive robotics operating system as a testbed for self-adaptive systems. The book grew out of a series of the Shonan Meetings on this ambitious topic held in 2012, 2013, and 2015. The authors were active participants in the meetings and have brought in interesting points of view. After several years of reflection, they now have been able to crystalize the ideas contained herein and collaboratively pave the way for solving some aspects of the research problems. As a result, the book stands as a milestone to initiate further progress in this promising interdisciplinary research field.

COMPUTER AND INFORMATION SCIENCES II

26TH INTERNATIONAL SYMPOSIUM ON COMPUTER AND INFORMATION SCIENCES

Springer Science & Business Media Information technology is the enabling foundation for all of human activity at the beginning of the 21st century, and advances in this area are crucial to all of us. These advances are taking place all over the world and can only be followed and perceived when researchers from all over the world assemble, and exchange their ideas in conferences such as the one presented in this proceedings volume regarding the 26th International Symposium on Computer and Information Systems, held at the Royal Society in London on 26th to 28th

September 2011. Computer and Information Sciences II contains novel advances in the state of the art covering applied research in electrical and computer engineering and computer science, across the broad area of information technology. It provides access to the main innovative activities in research across the world, and points to the results obtained recently by some of the most active teams in both Europe and Asia.

SOFTWARE PROCESS DYNAMICS AND AGILITY

INTERNATIONAL CONFERENCE ON SOFTWARE PROCESS, ICSP 2007, MINNEAPOLIS, MN, USA, MAY 19-20, 2007, PROCEEDINGS

Springer Science & Business Media This book constitutes the refereed proceedings of the First International Conference on Software Process, held in Minneapolis, MN, USA, in May 2007. The 28 revised full papers presented together with the abstracts of two keynote addresses cover process content, process tools and metrics, process management, process representation, analysis and modeling, experience report, and simulation modeling.

HANDBOOK OF RESEARCH ON OPEN SOURCE SOFTWARE: TECHNOLOGICAL, ECONOMIC, AND SOCIAL PERSPECTIVES

TECHNOLOGICAL, ECONOMIC, AND SOCIAL PERSPECTIVES

IGI Global This handbook of research is one of the few texts to combine Open Source Software (OSS) in public and private sector activities into a single reference source. It examines how the use of OSS affects practices in society, business, government, education, and law.

MODELS IN SOFTWARE ENGINEERING

WORKSHOPS AND SYMPOSIA AT MODELS 2009, DENVER, CO, USA, OCTOBER 4-9, 2009. REPORTS AND REVISED SELECTED PAPERS

Springer Science & Business Media This book constitutes a collection of the best papers selected from 9 workshops and 2 symposia held in conjunction with MODELS 2009, the 12 International Conference on Model Driven Engineering Languages and Systems, in Denver, CO, USA, in October 2009. The first two sections contain selected papers from the

Doctoral Symposium and the Educational Symposium, respectively. The other contributions are organized according to the workshops at which they were presented: 2nd International Workshop on Model Based Architecting and Construction of Embedded Systems (ACES-MB'09); 14th International Workshop on Aspect-Oriented Modeling (AOM); Models@run.time (Models@run.time); Model-driven Engineering, Verification, and Validation: Integrating Verification and Validation in MDE (MoDeVva09); Models and Evolution (MoDSE-MCCM); Third International Workshop on Multi-Paradigm Modeling (MPM09); The Pragmatics of OCL and Other Textual Specification Languages (OCL); 2nd International Workshop on Non-Functional System Properties in Domain Specific Modeling Languages (NFPinDSML); and 2nd Workshop on Transformation and Weaving OWL Ontologies and MDE/MDA (TWOMDE2009). Each section includes a summary of the workshop.

BLOCKCHAIN

TECHNOLOGY AND APPLICATIONS FOR INDUSTRY 4.0, SMART ENERGY, AND SMART CITIES

Walter de Gruyter GmbH & Co KG Blockchains are seen as a technology for the future, which reduce the cost of trust and revolutionize transactions between individuals, companies and governments. The sense of using blockchains is to minimize the probability of errors, successful frauds and paper-intensive processes. For these reasons, blockchains already have and will have a significant impact to the society and every day's life, especially in field of Machine to Machine (M2M) communications, which are one of the basic technologies for Internet of Things (IoT). Therefore, blockchains with their inherent property to provide security, privacy and decentralized operation are engine for today's and future reliable, autonomous and trusted IoT platforms. Specially, a disruptive role of ledger technologies in future smart personal mobility systems, which combine smart car industry, smart energy/smart cities will be explained in the book, considering its importance for development of new industrial and business models.

HARDWARE AND SOFTWARE: VERIFICATION AND TESTING

4TH INTERNATIONAL HAIFA VERIFICATION CONFERENCE, HVC 2008, HAIFA, ISRAEL, OCTOBER 27-30, 2008, REVISED SELECTED PAPERS

Springer These are the conference proceedings of the 4th Haifa Verification Conference, held October 27-30, 2008 in Haifa, Israel. This international conference is a unique venue that brings together leading researchers and

practitioners of both formal and dynamic verification, for both hardware and software systems. This year's conference extended the successes of the previous years, with a large jump in the number of submitted papers.

We received 49 total submissions, with many more high-quality papers than we had room to accept. Submissions came from 19 different countries, reflecting the growing international visibility of the conference. Of the 49 submissions, 43 were regular papers, 2 of which were later withdrawn, and 6 were tool papers. After a rigorous review process, in which each paper received at least four independent reviews from the distinguished Program Committee, we accepted 12 regular papers and 4 tool papers for presentation at the conference and inclusion in this volume. These numbers give acceptance rates of 29% for regular papers and 67% for tool papers (34% combined) – comparable to the elite, much older, conferences in the field. A Best Paper Award, selected on the basis of the reviews and scores from the Program Committee, was presented to Edmund Clarke, Alexandre Donzé, and Axel Legay for their paper entitled “Statistical Model Checking of Mixed-Analog Circuits with an Application to a Third-Order Delta-Sigma Modulator.” The refereed program was complemented by an outstanding program of invited talks, panels, and special sessions from prominent leaders in the field.

RELATING SYSTEM QUALITY AND SOFTWARE ARCHITECTURE

Morgan Kaufmann System Quality and Software Architecture collects state-of-the-art knowledge on how to intertwine software quality requirements with software architecture and how quality attributes are exhibited by the architecture of the system. Contributions from leading researchers and industry evangelists detail the techniques required to achieve quality management in software architecting, and the best way to apply these techniques effectively in various application domains (especially in cloud, mobile and ultra-large-scale/internet-scale architecture) Taken together, these approaches show how to assess the value of total quality management in a software development process, with an emphasis on architecture. The book explains how to improve system quality with focus on attributes such as usability, maintainability, flexibility, reliability, reusability, agility, interoperability, performance, and more. It discusses the importance of clear requirements, describes patterns and tradeoffs that can influence quality, and metrics for quality assessment and overall system analysis. The last section of the book leverages practical experience and evidence to look ahead at the challenges faced by organizations in capturing and realizing quality requirements, and explores the basis of future work in this area. Explains how design decisions and method selection influence overall system quality, and lessons learned from theories and frameworks on architectural quality Shows how to align enterprise, system, and software architecture for total quality Includes case studies, experiments, empirical validation,

and systematic comparisons with other approaches already in practice.