

## The Basic Outline of a Paper

The following outline shows a basic format for most academic papers. No matter what length the paper needs to be, it should still follow the format of having an introduction, body, and conclusion. Read over what typically goes in each section of the paper. Use the back of this handout to outline information for your specific paper.

### I. Introduction

The introduction should have **some** of the following elements, depending on the type of paper:

- Start with an attention grabber: a short story, example, statistic, or historical context that introduces the paper topic
- Give an overview of any issues involved with the subject
- Define of any key terminology need to understand the topic
- Quote or paraphrase sources revealing the controversial nature of the subject (argumentative papers only)
- Highlight background information on the topic needed to understand the direction of the paper
- Write an antithesis paragraph, presenting the primary opposing views (argumentative paper only)

The introduction must end with a **THESIS** statement (a 1 to 2 sentences in length):

- Tell what the overall paper will focus on
- Briefly outline the main points in the paper

### II. Body

- Clearly present the main points of the paper as listed in the thesis
- Give strong examples, details, and explanations to support each main points
- If an argumentative paper, address any counterarguments and refute those arguments
- If a research paper, use strong evidence from sources—paraphrases, summaries, and quotations that support the main points

### III. Conclusion

- Restate your thesis from the introduction in different words
- Briefly summarize each main point found in the body of the paper (avoid going over 2 sentences for each point)
- Give a statement of the consequences of not embracing the position (argumentative paper only)
- End with a strong clincher statement: an appropriate, meaningful final sentence that ties the whole point of the paper together (may refer back to the attention grabber)

### Additional Tips

- ✓ Decide on the thesis and main points first
- ✓ You do not need to start writing your paper with the introduction
- ✓ Try writing the thesis and body first; then go back and figure out how to best introduce the body and conclude the paper
- ✓ Use transitions between main points and between examples within the main points
- ✓ Always keep your thesis in the forefront of your mind while writing; everything in your paper must point back to the thesis
- ✓ Use the back of this handout to make an outline of your paper

# Formal Layout For Research Papers

**Ensheng Dong**



## **Formal Layout For Research Papers:**

, *Hardware Description Languages and their Applications* Carlos Delgado Kloos, Eduard Cerny, 2013-06-05 In the past few decades Computer Hardware Description Languages CHDLs have been a rapidly expanding subject area due to a number of factors including the advancing complexity of digital electronics the increasing prevalence of generic and programmable components of software hardware and the migration of VLSI design to high level synthesis based on HDLs Currently the subject has reached the consolidation phase in which languages and standards are being increasingly used at the same time as the scope is being broadened to additional application areas This book presents the latest developments in this area and provides a forum from which readers can learn from the past and look forward to what the future holds

Design and Management of Multimedia Information Systems: Opportunities and Challenges Syed, Mahbubur Rahman, 2000-07-01 Multimedia technology has the potential to transform end user computing from interactive text and graphics models into something more compatible with the digital and electronic world of the new century This book aims to help technology professionals gain an understanding and perspective on areas related to multimedia computing and communication while addressing the major issues and challenges in the design and management of multimedia information systems

**Academic Discourse** John Flowerdew, 2014-06-11 Academic Discourse presents a collection of specially commissioned articles on the theme of academic discourse Divided into sections covering the main approaches each begins with a state of the art overview of the approach and continues with exemplificatory empirical studies Genre analysis corpus linguistics contrastive rhetoric and ethnography are comprehensively covered through the analysis of various academic genres research articles PhD these textbooks argumentative essays and business cases Academic Discourse brings together state of the art analysis and theory in a single volume It also features an introduction which provides a survey and rationale for the material implications for pedagogy at the end of each chapter topical review articles with example studies a glossary The breadth of critical writing and from a wide geographical spread makes Academic Discourse a fresh and insightful addition to the field of discourse analysis

Studies of Software Design David Alex Lamb, 1996-05-15 This book contains a refereed collection of thoroughly revised full papers based on the contributions accepted for presentation at the International Workshop on Studies of Software Design held in conjunction with the 1993 International Conference on Software Engineering ICSE 93 in Baltimore Maryland in May 1993 The emphasis of the 13 papers included is on methods for studying analyzing and comparing designs and design methods the topical focus is primarily on the software architecture level of design and on techniques suitable for dealing with large software systems The book is organized in sections on architectures tools and design methods and opens with a detailed introduction by the volume editor

*Advances in Hardware Design and Verification* Hon Li, David Probst, 2016-01-09 CHARM 97 is the ninth in a series of working conferences devoted to the development and use of formal techniques in digital hardware design and verification This series is held in collaboration with

IFIP WG 10.5 Previous meetings were held in Europe every other year      Learning by Effective Utilization of Technologies: Facilitating Intercultural Understanding R. Mizoguchi, P. Dillenbourg, Z. Zhu, 2006-11-15 Based on the theme of the use of computers for supporting collaborative learning this book includes contributions that aim to bridge both research tracks the one focusing on interactions and the other on contents the pedagogical use of digital portfolios both for promoting individual reflections and for scaffolding group interactions      **Scientific and Technical Aerospace Reports**, 1995      *Inland Printer, American Lithographer*, 1929      **Global Perspectives on Design Science Research** Robert Winter, J. Leon Zhao, Stephan Aier, 2010-06 This book constitutes the refereed proceedings of the 5th International Conference on Global Perspectives on Design Science Research DERIST 2010 held in St Gallen Switzerland in June 2010 The 35 revised full papers presented together with 10 revised short papers were carefully reviewed and selected from 80 submissions The papers are organized in topical sections on organising design research reflecting design science research design research techniques design and context design and organisation design and information design research exemplars design and behaviour designing collaboration as well as design and requirements engineering      **Human Aspects of IT for the Aged Population. Design, Interaction and Technology Acceptance** Qin Gao, Jia Zhou, 2022-06-16 This two volume set constitutes the refereed proceedings of the 8th International Conference on Human Aspects of IT for the Aged Population ITAP 2022 held as part of the 24th International Conference HCI International 2022 held as a virtual event during June July 2022 ITAP 2022 includes a total of 75 papers which focus on topics related to designing for and with older users technology acceptance and user experience of older users use of social media and games by the aging population as well as applications supporting health wellbeing communication social participation and everyday activities The papers are divided into the following topical sub headings Part I Aging Design and Gamification Mobile Wearable and Multimodal Interaction for Aging Aging Social Media and Digital Literacy and Technology Acceptance and Adoption Barriers and Facilitators for Older Adults Part II Intelligent Environment for Daily Activities Support Health and Wellbeing Technologies for the Elderly and Aging Communication and Social Interaction      **International Symposium on World Ecological Design** Fangtian Ying, Ran Wan, Qun Wu, 2024-04-15 With the world facing increasingly serious global climate change and resource scarcity issues ecology and the environment have received much attention in recent years As a major factor in human activity design plays an important part in protecting the environment as does the role of digital technology in finding solutions to the pressing problems faced in this regard This book presents the proceedings of ISWED2023 the International Symposium on World Ecological Design held on 17 December 2023 in Guangzhou China Sponsored by the World Eco Design Conference a UN Consultative NGO the conference provides a platform for professionals and researchers from industry and academia to present and discuss recent advances in the field of ecological design This year the conference focused on the four topics of digital technology and health digital technology and transportation digital technology and energy and digital technology and

the environment A total of 518 submissions on these topics were received for the conference of which 125 were accepted for presentation and publication here Providing a current overview of research and innovation in ecological design around the world the book will be of interest to all those working in the fields of ecological design and digital technology integration

**Real-Time Simulation Technologies: Principles, Methodologies, and Applications** Katalin Popovici, Pieter J. Mosterman, 2017-12-19 Real Time Simulation Technologies Principles Methodologies and Applications is an edited compilation of work that explores fundamental concepts and basic techniques of real time simulation for complex and diverse systems across a broad spectrum Useful for both new entrants and experienced experts in the field this book integrates coverage of detailed theory acclaimed methodological approaches entrenched technologies and high value applications of real time simulation all from the unique perspectives of renowned international contributors Because it offers an accurate and otherwise unattainable assessment of how a system will behave over a particular time frame real time simulation is increasingly critical to the optimization of dynamic processes and adaptive systems in a variety of enterprises These range in scope from the maintenance of the national power grid to space exploration to the development of virtual reality programs and cyber physical systems This book outlines how for these and other undertakings engineers must assimilate real time data with computational tools for rapid decision making under uncertainty Clarifying the central concepts behind real time simulation tools and techniques this one of a kind resource Discusses the state of the art important challenges and high impact developments in simulation technologies Provides a basis for the study of real time simulation as a fundamental and foundational technology Helps readers develop and refine principles that are applicable across a wide variety of application domains As science moves toward more advanced technologies unconventional design approaches and unproven regions of the design space simulation tools are increasingly critical to successful design and operation of technical systems in a growing number of application domains This must have resource presents detailed coverage of real time simulation for system design parallel and distributed simulations industry tools and a large set of applications **Editorial Research Reports**, 1928 **Resources in Education**, 1998 System Engineering Management Benjamin S. Blanchard, 2012-06-25 Technology Engineering General A top down step by step life cycle approach to systems engineering In today's environment there is an ever increasing need to develop and produce systems that are robust reliable high quality supportable cost effective and responsive to the needs of the customer or user Reflecting these worldwide trends System Engineering Management Fourth Edition introduces readers to the full range of system engineering concepts tools and techniques emphasizing the application of principles and concepts of system engineering and the way these principles aid in the development utilization and support of systems Viewing systems engineering from both a technical and a management perspective this fully revised and updated edition extends its coverage to include The changing areas of system requirements Increasing system complexities Extended system life cycles versus shorter technology cycles Higher costs and greater

international competition The interrelationship of project management and systems engineering as they work together at the project team level Supported by numerous real life case studies this new edition of the classic resource demonstrates step by step a comprehensive top down life cycle approach that system engineers can follow to reduce costs streamline the design and development process improve reliability and win customers **UML 2001 - The Unified Modeling Language.**

**Modeling Languages, Concepts, and Tools** Martin Gogolla,Cris Kobryn,2003-06-30 This book constitutes the refereed proceedings of the 4th International Conference on the Unified Modeling Language 2001 held in Toronto Canada in October 2001 The 33 revised full papers presented together with one invited paper were carefully reviewed and selected from a total of 122 abstracts and 102 papers submitted The papers are organized in topical sections on metamodeling activity diagrams OCL architecture and patterns analysis and testing performance and databases graph transformations real time and embedded systems associations and ontology statecharts components and use cases Contemporary Urban Design

Thoughts in China Jin Duan,Jinhua Liu,2022-07-08 This book proposes and systematically discusses four trends of thoughts in contemporary Chinese urban design As the first book to systematically introduce contemporary Chinese urban design thoughts this book objectively displays the macroscopic picture of contemporary urban design development of China from the time dimension sorting out seven historical stages and three disputes This book is mainly divided into two parts The first part focuses on the vertical description taking the major events in the seven historical stages as the context combing the macro picture of the development of contemporary urban design in China in the last 100 years and describing the three controversies in this process contention subject and legalization The second part focuses on horizontal observations puts forward and systematically discusses the four trends of thought formed in the development of contemporary urban design in China including Design of Form Synthesis of Design Control of Design and Design of Rule This part discusses their development background theoretical support and key concepts in detail and finally conducts critical thinking The whole book is based on historical events archives and papers published in Chinese academic journals While sorting out summarizing and objectively discussing it also makes a critique of urban design activities and academic thinking in China which will greatly benefit scholars and readers who are interested in urban design history of contemporary China Advances in Intelligent Web Mastering

Katarzyna M. Wegrzyn-Wolska,Piotr S. Szczepaniak,2007-08-08 Mastering and effective exploration of the web environment needs new ideas adaptation of known methods as well as application of sophisticated and robust technical implementations Among new research directions present in relation to Web applications a remarkable place is occupied by intelligent methods defining the topic of soft computing This edited book includes reports from the front of diverse fields of the Web application of artificial intelligence design information retrieval and interpretation user profiling security engineering etc The material has been presented at the 5th Atlantic Web Intelligence Conference AWIC 2007 held in Fontainebleau France and organized by Esigetel Technical University of Lodz and Polish Academy of Sciences **Global**

**Design and Local Materialization** Jianlong Zhang, Chengyu Sun, 2013-06-03 This book constitutes the refereed proceedings of the 15th International Conference on Computer Aided Architectural Design Futures CAAD Futures 2013 held in Shanghai China in July 2013 The 35 revised full papers presented were carefully reviewed and selected from 78 submissions The papers are organized in topical sections on digital aids to design creativity concepts and strategies digital fabrication and local materialization human computer interaction user participation and collaborative design modeling and simulation shape and form studies

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