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refereed proceedings of the First International Conference on on Computing and Communications, ACC 2011, held in Kochi, India, in July 2011. The 62 revised full papers presented in this volume were carefully reviewed and selected from a large number of submissions. The papers are the papers of the Workshop on Cloud

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Computing: Architecture, Algorithms and Applications (CloudComp2011), of the Workshop on Multimedia Streaming (MultiStreams2011), and of the Workshop on Trust Management in P2P Systems (IWTMP2PS2011).

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communication. This revised edition adds new content and examples of cyber-physical systems throughout the book, including design methodologies, scheduling, and wide-area CPS to illustrate the possibilities of these new systems. Revised and updated with coverage of recently developed consumer

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electronics architectures and models of computing Includes new VLIW processors such as the TI Da Vinci, and CPU simulation Learn model-based verification and middleware for embedded systems Supplemental material includes lecture slides, labs, and additional resources Audio signal processing is a highly active

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research field where digital signal processing theory meets human sound perception and real-time programming requirements. It has a wide range of applications in computers, gaming, and music technology, to name a few of the largest areas. Successful applications include, for example, perceptual audio



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coding, digital music synthesizers, and music recognition software. The fact that music is now often listened to using headphones from a mobile device leads to new problems related to background noise control and signal enhancement.

Developments in processor technology, such as parallel computing, are changing

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the way signal-processing algorithms are designed for audio. Topics covered, but were not limited to, the following areas: - Audio signal analysis - Music information retrieval - Enhancement and restoration of audio - Audio equalization and filtering - Audio effects processing - Sound synthesis and modeling - Audio coding -

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Sound capture and noise control - Sound source separation - Room acoustics and spatial audio - Signal processing for headphones and loudspeakers - High-performance computing in audio

This innovative work provides a state-of-the-art overview of current thinking about the development of brand strategy. Unlike

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other books on branding, it approaches successful brand strategy from both the producer and consumer perspectives. "The Science and Art of Branding" makes clear distinctions among the producer's intentions, external brand realities, and consumer's brand perceptions - and explains how to fit them all together to

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build successful brands. Co-author Sandra Moriarty is also the author of the leading Principles of Advertising textbook, and she and Giep Franzen have filled this volume with practical learning tools for scholars and students of marketing and marketing communications, as well as actual brand managers. The book explains

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theoretical concepts and illustrates them with real-life examples that include case studies and findings from large-scale market research. Every chapter opens with a mini-case history, and boxed inserts featuring quotes from experts appear throughout the book. "The Science and Art of Branding" also goes much more deeply

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than other works into the core concept of brand equity, employing new measurement systems only developed over the last few years.

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*all of the new information in the Common Body of Knowledge updated in January 2015, and also provides two exams, tiered end-of-chapter questions for a gradual learning curve,*

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*and a complete self-test  
appendix*

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*Conference on Computer  
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in Turku, Finland. The 32  
regular papers included in  
this volume were carefully  
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*Modern critical infrastructures comprise of many interconnected cyber and physical assets, and as such are large scale cyber-physical systems. Hence, the conventional approach of*

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*securing these infrastructures by addressing cyber security and physical security separately is no longer effective. Rather more integrated approaches that address the security of*

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*cyber and physical assets at the same time are required. This book presents integrated (i.e. cyber and physical) security approaches and technologies for the critical infrastructures*

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*that underpin our societies. Specifically, it introduces advanced techniques for threat detection, risk assessment and security information sharing, based on leading edge technologies*

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*like machine learning,  
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data analytics can be used in  
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*fourth industrial revolution (Industry 4.0) is expected to increase the cyber-physical nature of critical infrastructures as well as their interconnection in the scope of sectorial and cross-*

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*sector value chains.*

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***artificial objects. In this way, IoT is seen as a combination of several emerging technologies, which enables the transformation of everyday objects into smart objects. It is also perceived***

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***computational technologies,  
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***main categories of information to deal with, expected organization of information, modalities of reporting and control, and level of knowledge to be reached. A further major***

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***focus is on potential key  
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*social process, important avenues for understanding the persuasiveness of recommender systems open up. Specifically, research regarding influential factors in advice seeking relationships, which is abundant in the context of human-human relationships,*

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*can provide an important framework for identifying potential influence factors in recommender system context. This book reviews the existing literature on the factors in advice seeking relationships in the context of human-human, human-computer, and*

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*human-recommender system interactions. It concludes that many social cues that have been identified as influential in other contexts have yet to be implemented and tested with respect to recommender systems. Implications for recommender system research and*

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*design are discussed.*

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and WAISE, Turku, Finland, September  
10, 2019, Proceedings  
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operating systems The work reflected in this book was done in the scope of the European project P?SOCRATES, funded under the FP7 framework program of the European Commission. High-performance and time-

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physicists, statisticians, biologists  
and chemists.

This book contains the postproceedi  
ngs of the 6th European Workshop o  
n Public Key Services,  
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Research Area in Pisa, Italy, in September 2009. The EuroPKI workshop series focuses on all research and practice aspects of public key infrastructures, services and applications, and welcomes original research



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Spain, (2007); and Trondheim, Norway (2008). From the original focus on public key infrastructures, EuroPKI interests - panded to include advanced cryptographic techniques, applications and (more generally)

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services. The Workshops brings together researchers from the cryptographic community as well as from the applied security community, as witnessed by the interesting program. Indeed, this volume holds 18 refereed papers

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and the presentation paper by the invited speaker, Alexander Dent. In response to the EuroPKI 2009 call for papers, a total of 40 submissions were received. All submissions underwent a thorough blind review by at least

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three Program Committee members, resulting in careful selection and revision of the accepted papers. After the conference, the papers were revised and improved by the authors before inclusion in this

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volume.

Study Guide

23rd International Conference,  
FMICS 2018, Maynooth, Ireland,  
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Proceedings

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ACC 2011, Kochi, India, July  
22-24, 2011. Proceedings  
Big data for agriculture

**This book constitutes the  
proceedings of the 23rd  
International Conference on  
Formal Methods for**

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**Industrial Critical Systems,  
FMICS 2018, held in  
Maynooth, Ireland, in  
September 2018. The 9  
regular papers presented in  
this volume were carefully  
reviewed and selected from**

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**17 submissions. The book also contains two invited talks in full-paper length. In addition, there are 8 invited contributions in honor of Susanne Graf (Director of Research at VERIMAG**

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**Grenoble, France) on the occasion of her 60th birthday. The aim of the FMICS conference series is to provide a forum for researchers who are interested in the**

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**development and application of formal methods in industry. In particular, FMICS brings together scientists and engineers who are active in the area of formal methods and**

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**interested in exchanging  
their experiences in the  
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**improvement of formal  
methods and tools for  
industrial applications.  
This report presents the  
methodology and results of  
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of a prototype integrated**

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**crash warning system for  
light vehicles as part of the  
Integrated Vehicle-Based  
Safety Systems initiative of  
the United States  
Department of  
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**Transportation System  
program. The system  
integrates rear-end crash,  
curve-speed warning, lane  
change crash, and lane  
departure warning  
functions. The goals of the**



**independent evaluation are to assess the safety impact, gauge driver acceptance, and characterize the capability of the integrated safety system. The evaluation is based on**

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**naturalistic driving data  
collected from a field  
operational test using 108  
subjects who drove 16  
passenger vehicles equipped  
with a prototype integrated  
safety system and a data**

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**acquisition system. The test subjects accumulated over 213,000 miles during a 12-month period throughout parts of southeast Michigan. For each driver, the test period was divided into a 12**

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**day baseline condition with the system disabled and a 28 day treatment condition with the system enabled to compare the effect of the system on driving performance. The results of**

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**the analysis suggest that driving with the integrated safety system improves driver behavior and increases driver safety, that drivers feel that the system provides a safety benefit,**

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**and that the system alerts had a high degree of accuracy. This report delineates the methodology of the different analyses and discusses their results. As a result of a rigorous,**

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(ISC) follows to routinely  
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enhancements will be made  
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deployments as a new platform with a 1.0 release in 2018. This book removes these doubts and offers a comprehensive glimpse at the language's use throughout developing and deploying production-ready applications. The first part of the book teaches experienced programmers

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a variety of third-party packages available in the Julia ecosystem for Data Processing, Text Analytics, and developing Deep Learning models. This book provides an extensive overview of the programming language and broadens understanding of the Julia ecosystem. As a result, it



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assists programmers, scientists, and information architects in selecting Julia for their next production deployments.

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BOOK IS FOR This book is for Data Scientists and application developers who want to learn about Julia application development. No prior Julia knowledge is required but knowing the basics of programming helps understand the objectives of this book.

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Networking organized by the Department of Computer Science and Engineering, National Institute of Technical Teachers Training and Research, Chandigarh, India on March 29–30, 2018. The book includes contributions in which researchers, engineers, and academicians as well

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as industrial professionals from around the globe presented their research findings and development activities in the field of Computing Technologies, Wireless Networks, Information Security, Image Processing and Data Science. The book provides opportunities for the readers to explore

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