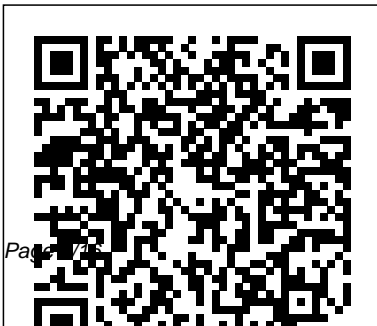

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Proceedings of ESREL 2018, June 17-21, 2018, Trondheim, Norway Springer

This book constitutes the refereed proceedings of the 21st International Symposium on Methodologies for Intelligent Systems, ISMIS 2014, held in Roskilde, Denmark, in June 2014. The 61 revised full papers were carefully reviewed and selected from 111 submissions. The papers are organized in topical sections on complex networks and data stream mining; data mining methods; intelligent systems applications; knowledge representation in databases and systems; textual data analysis and mining; special session: challenges in text mining and semantic information retrieval; special session: warehousing and OLAPing complex, spatial and spatio-

temporal data; ISMIS posters. Advances in Image and Graphics Technologies Frontiers Media SA Disturbance ecology continues to be an active area of research, having undergone advances in many areas in recent years. One emerging direction is the increased coupling of physical and ecological processes, in which disturbances are increasingly traced back to mechanisms that cause the disturbances themselves, such as earth surface processes, mesoscale, and larger meteorological processes, and the ecological effects of interest are increasingly physiological. Plant Disturbance Ecology, 2nd Edition encourages movement away from the informal, conceptual approach traditionally used in defining natural disturbances and clearly

presents how scientists can use a multitude of approaches in plant disturbance ecology. This edition includes nine revised chapters from the first edition, as well new, more comprehensive chapters on fire disturbance and beaver disturbance. Edited by leading experts in the field, *Plant Disturbance Ecology, 2nd Edition* is an essential resource for scientists interested in understanding plant disturbance and ecological processes. Advances understanding of natural disturbances by combining geophysical and ecological processes Provides a framework for collaboration between geophysical scientists and ecologists studying natural disturbances Includes fully updated research with 5 new chapters and revision of 11 chapters from the first edition

**12th International Workshop,
IWDM 2014, Gifu City, Japan,
June 29 - July 2, 2014,**

Proceedings Springer

The six-volume set LNCS 8579-8584 constitutes the refereed proceedings of the 14th International Conference on Computational Science and Its Applications, ICCSA 2014, held in Guimarães, Portugal, in June/July 2014. The 347 revised papers presented in 30 workshops and a special track were carefully reviewed and selected from 1167. The 289 papers presented in the workshops cover various areas

in computational science ranging from computational science technologies to specific areas of computational science such as computational geometry and security.

21st International Symposium, ISMIS 2014, Roskilde, Denmark, June 25-27, 2014. Proceedings Springer

This volume presents the proceedings of the First Euro-China Conference on Intelligent Data Analysis and Applications (ECC 2014), which was hosted by Shenzhen Graduate School of Harbin Institute of Technology and was held in Shenzhen City on June 13-15, 2014. ECC 2014 was technically

co-sponsored by Shenzhen Municipal People's Government, IEEE Signal Processing Society, Machine Intelligence Research Labs, VSB-Technical University of Ostrava (Czech Republic), National Kaohsiung University of Applied Sciences (Taiwan), and Secure E-commerce Transactions (Shenzhen) Engineering Laboratory of Shenzhen Institute of Standards and Technology.

Versatile Video Coding: Latest Advances in Video Coding Standards
Springer Nature

This book constitutes the proceedings of the 8th International Conference on the Foundations of Augmented Cognition, AC 2014, held as part of

HCI International 2014 which took place in Heraklion, Crete, Greece, in June 2014 and incorporated 14 conferences which similar thematic areas. HCII 2014 received a total of 4766 submissions, of which 1476 papers and 220 posters were accepted for publication after a careful reviewing process. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers thoroughly cover the entire field of Human-Computer Interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The 34 papers presented in the AC 2014 proceedings are organized in topical sections named: emotional and cognitive issues in augmented cognition; machine learning for augmented cognition; augmented cognition for learning and training and augmented cognition for health and rehabilitation.

Control Engineering and Information Systems Advances in Multimedia Information Processing - PCM 2014 15th Pacific Rim Conference on Multimedia, Kuching, Malaysia, December 1-4, 2014, Proceedings The 3-volume set LNCS 8510, 8511 and 8512 constitutes the refereed proceedings of the 16th International Conference on Human-Computer Interaction, HCII 2014,

held in Heraklion, Crete, Greece in June 2014. The total of 1476 papers and 220 posters presented at the HCII 2014 conferences was carefully reviewed and selected from 4766 submissions. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers thoroughly cover the entire field of human-computer interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. Image and Signal Processing CRC Press

This book constitutes the proceedings of the First International Workshop on Biometric Authentication, BIOMET 2014, which was held in Sofia, Bulgaria, in June 2014. The 16 full papers presented in this volume were carefully reviewed and selected from 21 submissions. Additionally, this volume also contains 5 invited papers. The papers cover a range of topics in the field gait and behaviour analysis; iris analysis; speech recognition; 3D ear recognition; face and facial attributes analysis; handwriting and signature recognition; and multimodal and soft biometrics.

Proceeding of the First Euro-China Conference on Intelligent Data Analysis and Applications, June

13-15, 2014, Shenzhen, China

Springer

Video is the main driver of bandwidth use, accounting for over 80 per cent of consumer Internet traffic. Video compression is a critical component of many of the available multimedia applications, it is necessary for storage or transmission of digital video over today ' s band-limited networks. The majority of this video is coded using international standards developed in collaboration with ITU-T Study Group and MPEG. The MPEG family of video coding standards begun on the early 1990s with MPEG-1, developed for video and audio

storage on CD-ROMs, with support for progressive video. MPEG-2 was standardized in 1995 for applications of video on DVD, standard and high definition television, with support for interlaced and progressive video. MPEG-4 part 2, also known as MPEG-2 video, was standardized in 1999 for applications of low- bit rate multimedia on mobile platforms and the Internet, with the support of object-based or content based coding by modeling the scene as background and foreground. Since MPEG-1, the main video coding standards were based on the so-called macroblocks. However,

research groups continued the work beyond the traditional video coding architectures and found that macroblocks could limit the performance of the compression when using high-resolution video. Therefore, in 2013 the high efficiency video coding (HEVC) also known as H.265, was released, with a structure similar to H.264/AVC but using coding units with more flexible partitions than the traditional macroblocks. HEVC has greater flexibility in prediction modes and transform block sizes, also it has a more sophisticated interpolation and de blocking filters. In 2006 the VC-1 was released. VC-1 is a video codec implemented by Microsoft and the Microsoft Windows Media Video (VMW) 9 and standardized by the Society of Motion Picture and Television Engineers (SMPTE). In 2017 the Joint Video Experts Team (JVET) released a call for proposals for a new video coding standard initially called Beyond the HEVC, Future Video Coding (FVC) or known as Versatile Video Coding (VVC). VVC is being built on top of HEVC for application on Standard Dynamic Range (SDR), High Dynamic Range (HDR) and 360 ° Video. The VVC is planned to be finalized by 2020. This book presents the new VVC,

and updates on the HEVC. The book discusses the advances in lossless coding and covers the topic of screen content coding. Technical topics discussed include: Beyond the High Efficiency Video CodingHigh Efficiency Video Coding encoderScreen contentLossless and visually lossless coding algorithmsFast coding algorithmsVisual quality assessmentOther screen content coding algorithmsOverview of JPEG Series

Why Things Spread--And Why They Stop Academic Press
Safety and Reliability – Safe Societies in a Changing World

collects the papers presented at the 28th European Safety and Reliability Conference, ESREL 2018 in Trondheim, Norway, June 17-21, 2018. The contributions cover a wide range of methodologies and application areas for safety and reliability that contribute to safe societies in a changing world. These methodologies and applications include: - foundations of risk and reliability assessment and management - mathematical methods in reliability and safety - risk assessment - risk management - system reliability - uncertainty analysis - digitalization and big data - prognostics and system health

management - occupational safety - aeronautics and aerospace, marine
accident and incident modeling - transport and engineering, railways,
maintenance modeling and road transport, automotive
applications - simulation for safety engineering, civil engineering,
and reliability analysis - dynamic critical infrastructures, electrical
risk and barrier management - and electronic engineering, energy
organizational factors and safety production and distribution,
culture - human factors and human environmental engineering,
reliability - resilience engineering, information technology and
structural reliability - natural telecommunications, insurance and
hazards - security - economic finance, manufacturing, marine
analysis in risk management Safety transport, mechanical engineering,
and Reliability – Safe Societies in a security and protection, and policy
Changing World will be invaluable to making.
academics and professionals Computational Intelligence in Machine
working in a wide range of industrial Learning Springer
and governmental sectors: offshore Advances in Multimedia Information
oil and gas, nuclear engineering, Processing - PCM 201415th Pacific Rim
Conference on Multimedia, Kuching,

Malaysia, December 1-4, 2014,
ProceedingsSpringer
Engineering Psychology and Cognitive
Ergonomics Springer

This book constitutes the refereed
proceedings of the 12th International
Workshop on Breast Imaging, IWDM
2014, held in Gifu City, Japan, in
June/July 2014. The 24 revised full
papers and 73 revised poster papers
presented together with 6 invited talks
were carefully reviewed and selected
from 122 submissions. The papers are
organized in topical sections on screening
outcomes, ultrasound, breast density,
imaging physics, CAD, tomosynthesis and
ICT and image processing.

Foundations of Augmented
Cognition. Advancing Human
Performance and Decision-Making

through Adaptive Systems Springer
Nature

This book constitutes the refereed
proceedings of the 6th International
Conference, ICISP 2014, held in
June/July 2014 in Cherbourg,
France. The 76 revised full papers
were carefully reviewed and
selected from 164 submissions. The
contributions are organized in
topical sections on multispectral
colour science, color imaging and
applications, digital cultural
heritage, document image analysis,
graph-based representations, image
filtering and representation,
computer vision and pattern
recognition, computer graphics,

biomedical, and signal processing. 11th International Conference, EPCE 2014, Held as Part of HCI International 2014, Heraklion, Crete, Greece, June 22-27, 2014, Proceedings CRC Press

Dr. Robert Sadoff's *The Evolution of Forensic Psychiatry* is extraordinarily unique in that it is not intended to be a textbook or a guide to forensic psychiatry. Instead, this book is a fascinating mix of historical beginnings, current developments, representative subspecialties of psychiatry, and several allied disciplines and their impact on forensic psychiatry. Furthermore, it also includes neuroscientific research and how it translates to civic and criminal case work. Judges, attorneys, law professors and a police scientist all weigh in on the influence of the interdisciplinary research these forensic scientists have had on the

justice system. Featuring case examples and research conducted by the professionals who have had the greatest influence on the growth of the field of forensic psychiatry, they lead the discussion on the various aspects and issues of the discipline's impact on the criminal justice system. Dr. Sadoff and his team have set out to improve the phases of criminal procedures as they impact our community at large.

Springer

One of the Best Books of 2020 — Financial Times One of the "Most 2020 Books of 2020" — Washington Post One of the Best Science Books of 2020 — The Times of London One of the Best Science Books of 2020 — The Guardian From ideas and infections to financial crises and fake news, an "utterly

timely" look at why the science of outbreaks is the science of modern life. These days, whenever anything spreads, whether it's a YouTube fad or a political rumor, we say it went viral. But how does virality actually work? In *The Rules of Contagion*, epidemiologist Adam Kucharski explores topics including gun violence, online manipulation, and, of course, outbreaks of disease to show how much we get wrong about contagion, and how astonishing the real science is. Why did the president retweet a Mussolini quote as his own? Why do financial bubbles take off so quickly? Why are disinformation campaigns so effective? And what makes the emergence of new illnesses -- such as MERS, SARS, or

the coronavirus disease COVID-19 -- so challenging? By uncovering the crucial factors driving outbreaks, we can see how things really spread -- and what we can do about it. Whether you are an author seeking an audience, a defender of truth, or simply someone interested in human social behavior, *The Rules of Contagion* is an essential guide to modern life.

15th Pacific Rim Conference on Multimedia, Kuching, Malaysia, December 1-4, 2014, Proceedings
Springer

This book constitutes the revised post-conference proceedings of the 15th International Workshop on Digital Forensics and Watermarking, IWDW 2016, held in Beijing, China,

in September 2016. The 45 papers presented in this volume were carefully reviewed and selected from 70 submissions. The contributions are organized in topical sections on digital forensics, visual cryptography, reversible data hiding, and steganography and steganalysis.

4th International Workshop, BrainLes 2018, Held in Conjunction with MICCAI 2018, Granada, Spain, September 16, 2018, Revised Selected Papers, Part I Springer

The three-volume set LNCS 11857, 11858, and 11859 constitutes the refereed proceedings of the Second Chinese Conference on Pattern Recognition and Computer Vision,

PRCV 2019, held in Xi ' an, China, in November 2019. The 165 revised full papers presented were carefully reviewed and selected from 412 submissions. The papers have been organized in the following topical sections: Part I: Object Detection, Tracking and Recognition, Part II: Image/Video Processing and Analysis, Part III: Data Analysis and Optimization.

State-of-the-art Technology and Applications in Crop Phenomics Springer
This book constitutes the refereed proceedings of the 22nd International Conference on Nonlinear Dynamics of Electronic Systems, NDES 2014, held in Albena, Bulgaria, in July 2014. The 47 revised full papers presented were carefully reviewed and selected from 65

submissions. The papers are organized in topical sections on nonlinear oscillators, circuits and electronic systems; networks and nonlinear dynamics and nonlinear phenomena in biological and physiological systems.

Conference Proceedings. The Future of Education. 8th Edition MDPI

This book constitutes the refereed proceedings of the 11th International Conference on Engineering Psychology and Cognitive Ergonomics, EPCE 2014, held as part of the 16th International Conference on Human-Computer Interaction, HCII 2014, held in Heraklion, Greece, in June 2014, jointly with 13 other thematically similar conferences. The total of 1476 papers and 220 posters presented at the HCII 2014 conferences were carefully reviewed and selected from 4766 submissions. These papers

address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers accepted for presentation thoroughly cover the entire field of human-computer interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The total of 54 contributions included in the EPCE proceedings were carefully reviewed and selected for inclusion in this volume and are organized in the following topical sections: mental workload and stress; visual perception; cognitive issues in interaction and user experience; cognitive psychology in aviation and space; transport and industrial applications.

Select Proceedings of ICCIML 2021
Springer

This book constitutes the revised selected papers of the 5th International Provenance and Annotation Workshop, IPAW 2014, held in Cologne, Germany in June 2014. The 14 long papers, 20 short papers and 4 extended abstracts presented were carefully reviewed and selected from 53 submissions. The papers include tools that enable provenance capture from software compilers, from web publications and from scripts, using existing audit logs and employing both static and dynamic instrumentation.

Computer Vision – ACCV 2018
libreriauniversitaria.it Edizioni
The 2014 Asia-Pacific Conference on

Computer Science and Applications was held in Shanghai, December 27-28, 2014. These CSAC-2014 proceedings include 105 selected papers, which focus not only on the research of science and technology of computer sciences, but also on the research of applications, aiming at a quick and immediate effect on