

Advances In Multimedia Information Processing Pcm 2006 7th Pacific Rim Conference On Multimedia Hangzhou China November 2 4 2006 Proceedings Lecture Notes In Computer Science

This book features papers presented at IIH-MSP 2018, the 14th International Conference on Intelligent Information Hiding and Multimedia Signal Processing. The scope of IIH-MSP included information hiding and security, multimedia signal processing and networking, and bio-inspired multimedia technologies and systems. The book discusses subjects related to massive image/video compression and transmission for emerging networks, advances in speech and language processing, recent advances in information hiding and signal processing for audio and speech signals, intelligent distribution systems and applications, recent advances in security and privacy for multimodal network environments, multimedia signal processing, and machine learning. Presenting the latest research outcomes and findings, it is suitable for researchers and students who are interested in the corresponding fields. IIH-MSP 2018 was held in Sendai, Japan on 26-28 November 2018. It was hosted by Tohoku University and was co-sponsored by the Fujian University of Technology in China, the Taiwan Association for Web Intelligence Consortium in Taiwan, and the Swinburne University of Technology in Australia, as well as the Fujian Provincial Key Laboratory of Big Data Mining and Applications (Fujian University of Technology) and the Harbin Institute of Technology Shenzhen Graduate School in China. The three-volume set LNCS 101164, 11165, and 11166 constitutes the refereed proceedings of the 19th Pacific-Rim Conference on Multimedia, PCM 2018, held in Hefei, China, in September 2018. The 209 regular papers presented together with 20 special session papers were carefully reviewed and selected from 452 submissions. The papers cover topics such as: multimedia content analysis; multimedia signal processing and communications; and multimedia applications and services.

This two-volume set constitutes the post-conference proceedings of the 5th EAI International Conference on Advanced Hybrid Information Processing, ADHIP 2021, held in October 2021. Due to COVID-19 the conference was held virtually. The 94 papers presented were selected from 254 submissions and focus on theory and application of hybrid information processing technology for smarter and more effective research and application. The theme of ADHIP 2020 was "Social hybrid data processing". The papers are named in topical sections as follows: Intelligent algorithms in complex environment; AI system research and model design; Method research on Internet of Things technology; Research and analysis with intelligent education.

Advances in Multimedia Modeling: Multimedia signal processing and communications I. Event detection. Multimedia over P2P. Content II. Applications II. Computer vision II. Image processing II. Multimedia signal processing and communications II. Image classification and recognition. Ubiquitous multimedia service (UMS). Services and the assurance in multimedia mobile information systems (SAMM). Networked multimedia systems and its applications focusing on reliable and flexible delivery for integrated multimedia (NMS). Networked graphics applications (NGA) Advances in Multimedia Information Processing – PCM 2015

Intelligent Analysis of Multimedia Information

Advanced Multimedia and Ubiquitous Engineering

Advances in Multimedia Information Processing - PCM 2007

Advances in Multimedia Information Processing – PCM 2002

... Theory of Cryptography Conference, TCC ... : Proceedings

The 2010 Pacific-Rim Conference on Multimedia (PCM 2010) was held in Shanghai at Fudan University, during September 21-24, 2010. Since its inauguration in 2000, PCM has been held in various places around the Pacific Rim, namely Sydney (PCM 2000), Beijing (PCM 2001), Hsinchu (PCM 2002), Singapore (PCM 2003), Tokyo (PCM 2004), Jeju (PCM 2005), Zhejiang (PCM 2006), Hong Kong (PCM 2007), Tainan (PCM 2008), and Bangkok (PCM 2009). PCM is a major annual international conference organized as a forum for the dissemination of state-of-the-art technological advances and research results in the fields of theoretical, experimental, and applied multimedia analysis and processing. PCM 2010 featured a comprehensive technical program which included 75 oral and 56 poster presentations selected from 261 submissions from Australia, Canada, China, France, Germany, Hong Kong, India, Iran, Italy, Japan, Korea, Myanmar, Norway, Singapore, Taiwan, Thailand, the UK, and the USA. Three distinguished researchers, Prof. Zhi-Hua Zhou from Nanjing University, Dr. Yong Rui from Microsoft, and Dr. Tie-Yan Liu from Microsoft Research Asia delivered three keynote talks to the conference. We are very grateful to the many people who helped to make this conference a success. We would like to especially thank Hong Lu for local organization, Qi Zhang for handling the publication of the proceedings, and Cheng Jin for looking after the conference website and publicity. We thank Fei Wu for organizing the special session on large-scale multimedia search in the social network settings.

This book constitutes the refereed proceedings of the Third IEEE Pacific Rim Conference on Multimedia, PCM 2002, held in Hsinchu, Taiwan in December 2002. The 154 revised full papers presented were carefully reviewed and selected from 224 submissions. The papers are organized in topical sections on mobile multimedia, digital watermarking and data hiding, motion analysis, multimedia retrieval techniques, image processing, multimedia security, image coding, multimedia learning, audio signal processing, wireless multimedia streaming, multimedia systems in the Internet, distance education and multimedia, Internet security, computer graphics and virtual reality, object tracking, face analysis, and MPEG-4.

We are delighted to welcome readers to the proceedings of the 6th Pacific-Rim Conference on Multimedia (PCM). The first PCM was held in Sydney, Australia, in 2000. Since then, it has been hosted successfully by Beijing, China, in 2001, Hsinchu, Taiwan, in 2002, Singapore in 2003, and Tokyo, Japan, in 2004, and finally Jeju, one of the most beautiful and fantastic islands in Korea. This year, we accepted 181 papers out of 570 submissions including regular and special session papers. The acceptance rate of 32% indicates our commitment to ensuring a very high-quality conference. This would not be possible without the full support of the excellent Technical Committee and anonymous reviewers that provided timely and insightful reviews. We would therefore like to thank the Program Committee and all reviewers. The program of this year reflects the current interests of the PCM's. The accepted papers cover a range of topics, including, all aspects of multimedia, both technical and artistic perspectives and both theoretical and practical issues. The PCM 2005 program covers tutorial sessions and plenary lectures as well as regular presentations in three tracks of oral sessions and a poster session in a single track. We have tried to expand the scope of PCM to the artistic papers which need not to be strictly technical.

Advances in Multimedia Information Processing - PCM 2018

13th Pacific-Rim Conference on Multimedia, Singapore, December 4-6, 2012, Proceedings

Perceptual Digital Imaging

14th Pacific-Rim Conference on Multimedia, Nanjing, China, December 13-16, 2013, Proceedings

Advanced Hybrid Information Processing

7th International Visual Informatics Conference, IVIC 2021, Kajang, Malaysia, November 23-25, 2021, Proceedings

*Advances in Multimedia Information Processing – PCM 2018*19th Pacific-Rim Conference on Multimedia, Hefei, China, September 21-22, 2018, Proceedings, Part II Springer

This volume brings together contributions representing the state-of-the-art in new multimedia and future technology information research, currently a major topic in computer science and electronic engineering. Researchers aim to interoperate multimedia frameworks,

transforming the way people work and interact with multimedia data. This book covers future information technology topics including digital and multimedia convergence, ubiquitous and pervasive computing, intelligent computing and applications, embedded systems, mobile and wireless communications, bio-inspired computing, grid and cloud computing, semantic web, human-centric computing and social networks, adaptive and context-aware computing, security and trust computing and related areas. Representing the combined proceedings of the 9th

International Conference on Multimedia and Ubiquitous Engineering (MUE-15) and the 10th International Conference on Future Information Technology (Future Tech 2015), this book aims to provide a complete coverage of the areas outlined and to bring together researchers from academic and industry and other practitioners to share their research ideas, challenges and solutions.

This book applies novel theories to improve algorithms in complex data analysis in various fields, including object detection, remote sensing, data transmission, data fusion, gesture recognition, and medical image processing and analysis. It is intended for Ph.D. students, academics, researchers, and software developers working in the areas of digital video processing and computer vision technologies.

Methods and Applications

Advances in Multimedia Information Processing - PCM 2013

19th Pacific-Rim Conference on Multimedia, Hefei, China, September 21-22, 2018, Proceedings, Part III

Public Key Cryptography

Second IEEE Pacific Rim Conference on Multimedia Beijing, China, October 24-26, 2001 Proceedings

5th Pacific Rim Conference on Multimedia, Tokyo, Japan, November 30 - December 3, 2004, Proceedings, Part II

International Conference on Computing and Information Niagara Falls, Canada, May 23-26, 1990, Proceedings

This book constitutes the refereed proceedings of the 7th Pacific Rim Conference on Multimedia, PCM 2006, held in Hangzhou, China in November 2006. The 116 revised papers presented cover a wide range of topics, including all aspects of multimedia, both technical and artistic perspectives and both theoretical and practical issues.

Advanced Computing, Networking and Informatics are three distinct and mutually exclusive disciplines of knowledge with no apparent sharing/overlap among them. However, their convergence is observed in many real world applications, including cyber-security, internet banking, healthcare, sensor networks, cognitive radio, pervasive computing amidst many others. This two volume proceedings explore the combined use of Advanced Computing and Informatics in the next generation wireless networks and security, signal and image processing, ontology and human-computer interfaces (HCI). The two volumes together include 132 scholarly articles, which have been accepted for presentation from over 350 submissions in the Third International Conference on Advanced Computing, Networking and Informatics, 2015, held in Bhubaneswar, India during June 23-25, 2015.

This book constitutes the proceedings of the 14th Pacific-Rim Conference on Multimedia, PCM 2013, held in Nanjing, China, in December 2013. The 30 revised full papers and 27 poster papers presented were carefully reviewed and selected from 153 submissions. The papers cover a wide range of topics in the area of multimedia content analysis, multimedia signal processing and communications and multimedia applications and services.

Advances in Multimedia Information Processing - PCM 2005

Advances in Multimedia Information Processing - PCM 2004

Progress in Cryptology

Advances in Multimedia Information Processing – PCM 2001

Proceeding of the Fourteenth International Conference on Intelligent Information Hiding and Multimedia Signal Processing, November, 26-28, 2018, Sendai, Japan. Volume 2

Understanding Complex Visual Content

Advances in Multimedia Information Processing – PCM 2010, Part II

The two-volume proceedings LNCS 9314 and 9315, constitute the proceedings of the 16th Pacific-Rim Conference on Multimedia, PCM 2015, held in Gwangju, South Korea, in September 2015. The total of 138 full and 32 short papers presented in these proceedings was carefully reviewed and selected from 224 submissions. The papers were organized in topical sections named: Image and audio processing; multimedia content analysis; multimedia applications and services; video coding and processing; multimedia representation learning; visual understanding and recognition on big data; coding and reconstruction of multimedia data with spatial-temporal information; 3D image/video processing and applications; video/image quality assessment and processing, social media computing; human action recognition in social robotics and video surveillance; recent advances in image/video processing; new media representation and transmission technologies for emerging UHD services.

This book presents a thorough overview of fusion in computer vision, from an interdisciplinary and multi-application viewpoint, describing successful approaches, evaluated in the context of international benchmarks that model realistic use cases. Features: examines late fusion approaches for concept recognition in images and videos; describes the interpretation of visual content by incorporating models of the human visual system with content understanding methods; investigates the fusion of multi-modal features of different semantic levels, as well as results of semantic concept detections, for example-based event recognition in video; proposes rotation-based ensemble classifiers for high-dimensional data, which encourage both individual accuracy and diversity within the ensemble; reviews application-focused strategies of fusion in video surveillance, biomedical information retrieval, and content detection in movies; discusses the modeling of mechanisms of human interpretation of complex visual content.

Visual perception is a complex process requiring interaction between the receptors in the eye that sense the stimulus and the neural system and the brain that are responsible for communicating and interpreting the sensed visual information. This process involves several physical, neural, and cognitive phenomena whose understanding is essential to design effective and computationally efficient imaging solutions. Building on advances in computer vision, image and video processing, neuroscience, and information engineering, perceptual digital imaging greatly enhances the capabilities of traditional imaging methods. Filling a gap in the literature, Perceptual Digital Imaging: Methods and Applications comprehensively covers the system design, implementation, and application aspects of this emerging specialized area. It gives readers a strong, fundamental understanding of theory and methods, providing a foundation on which solutions for many of the most interesting and challenging imaging problems can be built. The book features contributions by renowned experts who present the state of the art and recent trends in image acquisition, processing, storage, display, and visual quality evaluation. They detail advances in the field and explore human visual system-driven approaches across a broad spectrum of applications, including: Image quality and aesthetics assessment Digital camera imaging

White balancing and color enhancement Thumbnail generation Image restoration Super-resolution imaging Digital halftoning and dithering Color feature extraction Semantic multimedia analysis and processing Video shot characterization Image and video encryption Display quality enhancement This is a valuable resource for readers who want to design and implement more effective solutions for cutting-edge digital imaging, computer vision, and multimedia applications. Suitable as a graduate-level textbook or stand-alone reference for researchers and practitioners, it provides a unique overview of an important and rapidly developing research field.

11th Pacific Rim Conference on Multimedia, Shanghai, China, September 21-24, 2010 Proceedings

Advances in Computing Science--ASIAN ...

11th Pacific Rim Conference on Multimedia, Shanghai, China, September 21-24, 2010, Proceedings

Proceedings of 3rd International Conference on Advanced Computing, Networking and Informatics

Advances in Multimedia Information Processing - PCM 2017

Future Information Technology Volume 2

Advances in Computing and Information - ICCI '90

Welcome to the proceedings of the 10th Pacific Rim Conference on Multimedia (PCM 2009) held in Bangkok, Thailand, December 15-18, 2009. Since its inception in 2000, PCM has rapidly grown into a major conference on multimedia in the Asia-Pacific Rim region and has built up its reputation around the world. Following the success of the preceding conferences, PCM 2008 in Taiwan, PCM 2007 in Hong Kong, PCM 2006 in China, PCM 2005 in Korea, PCM 2004 in Japan, PCM 2003 in Singapore, PCM 2002 in Taiwan, PCM 2001 in China, and PCM 2000 in Australia, the tenth PCM brought researchers, developers, practitioners, and educators together to disseminate their new discoveries in the field of multimedia. Theoretical breakthroughs and practical systems were presented at this conference, thanks to the support of Naresuan University, Mahanakorn University of Technology, and the IEEE Thailand Section. PCM 2009 featured a comprehensive program including keynote talks, regular presentations, posters, and special sessions. We received 171 papers from 16 countries including Australia, Sweden, Germany, Italy, Iran, France, Canada, China, Japan, Korea, Malaysia, Singapore, Taiwan, Hong Kong, the UK, and the USA. After a rigorous review process, we accepted only 67 oral presentations and 45 poster presentations. Four special sessions were also organized by world-leading researchers.

This volume contains selected and invited papers presented at ICCI '90. Topics range over theory of computing, algorithms and programming, data and software engineering, computer architecture, concurrency, parallelism, communication and networking.

This book constitutes the refereed proceedings of the 8th Pacific Rim Conference on Multimedia, PCM 2007, held in Hong Kong, China, in December 2007. The 73 revised full papers and 21 revised posters presented were carefully reviewed and selected from 247 submissions. The papers are organized in topical sections on image classification and retrieval, the AVS china national standard technology, applications and products, human face and action recognition, and many more topics.

INDOCRYPT ... International Conference on Cryptology in India ... Proceedings

8th Pacific Rim Conference on Multimedia, Hong Kong, China, December 11-14, 2007, Proceedings

ICACNI 2015, Volume 1

Advanced Decisions in Technical and Medical Applications

14th International Multimedia Modeling Conference, MMM 2008, Kyoto, Japan, January 9-11, 2008, Proceedings

Advances in Visual Informatics

10th Pacific Rim Conference on Multimedia, Bangkok, Thailand, December 15-18, 2009, Proceedings

Multimedia represents information in novel and varied formats. One of the most prevalent examples of continuous media is video. Extracting underlying data from these videos can be an arduous task. From video indexing, surveillance, and mining, complex computational applications are required to process this data. Intelligent Analysis of Multimedia Information is a pivotal reference source for the latest scholarly research on the implementation of innovative techniques to a broad spectrum of multimedia applications by presenting emerging methods in continuous media processing and manipulation. This book offers a fresh perspective for students and researchers of information technology, media professionals, and programmers.

Welcome to the proceedings of the 5th Pacific Rim Conference on Multimedia (PCM 2004) held in Tokyo Waterfront City, Japan, November 30–December 3, 2004. Following the success of the preceding conferences, PCM 2000 in Sydney, PCM 2001 in Beijing, PCM 2002 in Hsinchu, and PCM 2003 in Singapore, the 7th PCM brought together the researchers, developers, practitioners, and educators in the field of multimedia. Theoretical breakthroughs and practical systems were presented at this conference, thanks to the support of the IEEE Circuits and Systems Society, IEEE Region 10 and IEEE Japan Council, ACM SIGMM, IEICE and ITE.

PCM2004 featured a comprehensive program including keynote talks, regular presentations, posters, demos, and special sessions. We received 385 papers and a number of submissions were the largest among recent PCMs. Among such a large number of submissions, we accepted only 94 oral presentations and 176 poster presentations. Seven special sessions were also organized by world-leading researchers. We kindly acknowledge the great support provided in the reviewing of submissions by the program committee members, as well as the additional reviewers who generously gave their time. The many useful comments provided by the reviewing process must have been very valuable for the authors' work. This conference would never have happened without the help of many people. We greatly appreciate the support of our strong organizing committee chairs and advisory chairs. Among the chairs, special thanks go to Dr. Ichiro Ide and Dr. Takeshi Naemura who smoothly handled publication of the proceedings with Springer. Dr. Kazuya Kodama did a fabulous job as our Web master.

This book constitutes the proceedings of the 13th Pacific Rim Conference on Multimedia, held in Singapore during December 4-6, 2012. The 59 revised full papers presented were carefully reviewed and selected from 106 submissions for the main conference and are accompanied by 23 presentations of 4 special sessions. The papers are organized in topical sections on multimedia content analysis, image and video processing, video coding and multimedia information processing, image/video processing and analysis, video coding and multimedia system, advanced image and video coding, cross media learning with structural priors, as well as efficient multimedia analysis and utilization.

Recent Advances in Intelligent Information Hiding and Multimedia Signal Processing

Advances in Multimedia Information Processing, PCM 2012

5th EAI International Conference, ADHIP 2021, Virtual Event, October 22-24, 2021, Proceedings, Part I.

Advances in Cryptology--ASIACRYPT.

Advances in Multimedia Information Processing-PCM ...

16th Pacific-Rim Conference on Multimedia, Gwangju, South Korea, September 16-18, 2015, Proceedings, Part II

Computer Vision in Advanced Control Systems-5

Welcome to the second IEEE Pacific Rim Conference on Multimedia (IEEE PCM 2001) held in Zhongguanchun, Beijing, China, October 22-24, 2001. Building upon the success of the inaugural IEEE PCM 2000 in Sydney in December 2000, the second PCM again brought together the researchers, developers, practitioners, and educators of multimedia in the Pacific area. Theoretical breakthroughs and practical systems were presented at this conference, thanks to the sponsorship by the IEEE Circuit and Systems Society, IEEE Signal Processing Society, China Computer Foundation, China Society of Image and Graphics, National Natural Science Foundation of China, Tsinghua University, and Microsoft Research, China. IEEE PCM 2001 featured a comprehensive program including keynote talks, regular paper presentations, and special sessions. We received 244 papers and accepted only 104 of them as regular papers, and 53 as poster papers. Our special session chairs, Shin'ichi Satoh and Mohan Kankanhalli, organized 6 special sessions. We acknowledge the great contribution from our program committee members and paper reviewers who spent many hours reviewing submitted papers and providing valuable comments. The conference would not have been successful without the help of so many people. We greatly appreciated the support of our honorary chairs: Prof. Sun Yuan Kung of Princeton University, Dr. Ya Qin Zhang of Microsoft Research China, and Prof.

The two-volume set LNCS 10735 and 10736 constitutes the thoroughly refereed proceedings of the 18th Pacific-Rim Conference on Multimedia, PCM 2017, held in Harbin, China, in September 2017. The 184 full papers presented were carefully reviewed and selected from 264 submissions. The papers are organized in topical sections on: Best Paper Candidate; Video Coding; Image Super-resolution; Person Identity and Emotion; Tracking and Action Recognition; Detection and Classification; Multimedia Signal Reconstruction and Recovery; Text and Line Detection/Recognition; Social Media; 3D and Panoramic Vision; Deep Learning for Signal Processing and Understanding; Large-Scale Multimedia Affective Computing; Sensor-enhanced Multimedia Systems; Content Analysis; Coding, Compression, and Processing.

This book constitutes the proceedings of the 10th Pacific Rim Conference on Multimedia, held in Bangkok, Thailand during December 15-18, 2009. The papers presented in the volume were carefully reviewed and selected from 171 submissions. The topics covered are exploring large-scale videos: automatic content genre classification, repair, enhancement and authentication, human behavior classification and video coding perceptual quality improvement, image annotation, retrieval, and classification, object detection and tracking, networking technologies, audio processing, 3DTV and multi-view video, image watermarking, multimedia document search and retrieval, intelligent multimedia security and forensics, multimedia content management, image analysis and matching, coding, advanced image processing, multimedia compression and optimization, multimedia security rights and management.

Theory of Cryptography

IEEE Pacific Rim Conference on Multimedia ... Proceedings

Advances in Multimedia Modeling

Advances in Multimedia Information Processing - PCM 2009

Advances in Multimedia and Network Information System Technologies

Advances in Multimedia Information Processing - PCM 2006

5th Pacific Rim Conference on Multimedia, Tokyo, Japan, November 30 - December 3, 2004, Proceedings

This book constitutes the refereed proceedings of the 14th International Multimedia Modeling Conference, MMM 2007, held in Kyoto, Japan, in January 2007. The 23 revised full papers and 24 revised poster papers were carefully reviewed and selected from more than 130 submissions. The papers are organized in topical sections that include material on media understanding, creative media, visual content representation, and video codecs, as well as media retrieval, audio and music.

This book constitutes the refereed proceedings of the 7th International Conference on Advances in Visual Informatics, IVIC 2021, held in Selangor, Malaysia in November 2021. The 59 papers presented were carefully reviewed and selected from 114 submissions. The papers are organized into the following topics: Visualization and Digital Innovation; Engineering and Digital Innovation; Cyber Security and Digital Innovation; and Energy Informatics and Digital Innovation.

6th Pacific Rim Conference on Multimedia, Jeju Island, Korea, November 11-13, 2005, Proceedings

18th Pacific-Rim Conference on Multimedia, Harbin, China, September 28-29, 2017, Revised Selected Papers, Part II

Third IEEE Pacific Rim Conference on Multimedia Hsinchu, Taiwan, December 16-18, 2002 Proceedings

Advances in Multimedia Information Processing – PCM 2010, Part I

19th Pacific-Rim Conference on Multimedia, Hefei, China, September 21-22, 2018, Proceedings, Part II

7th Pacific Rim Conference on Multimedia, Hangzhou, China, November 2-4, 2006, Proceedings

Fusion in Computer Vision