

# MULTIMODAL VIDEO CHARACTERIZATION AND SUMMARIZATION

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# Multimodal Video Characterization And Summarization

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Palaiahnakote,Chew Lim Tan,Wenyin  
Liu**

## **Multimodal Video Characterization And Summarization:**

*Multimodal Video Characterization and Summarization* Michael A. Smith,Takeo Kanade,2004-10-20 Multimodal Video Characterization and Summarization is a valuable research tool for both professionals and academicians working in the video field This book describes the methodology for using multimodal audio image and text technology to characterize video content This new and groundbreaking science has led to many advances in video understanding such as the development of a video summary Applications and methodology for creating video summaries are described as well as user studies for evaluation and testing

**Wittgenstein and Artificial Intelligence, Volume II** Alice C Helliwell,Alessandro Rossi,Brian Ball,2024-09-10 Volume II This collection brings together work on the relevance of Wittgenstein s philosophy to the field of Artificial Intelligence AI Over two volumes our contributors cover a wide range of topics from different disciplinary approaches In this Volume II contributions are centred on two major themes in the philosophy of AI questions of value and governance Contributions include chapters on both ethics and aesthetics and AI as well as questions of the governance of AI systems including legal and policy issues

*Encyclopedia of Multimedia Technology and Networking, Second Edition* Pagani, Margherita,2008-08-31 Advances in hardware software and audiovisual rendering technologies of recent years have unleashed a wealth of new capabilities and possibilities for multimedia applications creating a need for a comprehensive up to date reference The Encyclopedia of Multimedia Technology and Networking provides hundreds of contributions from over 200 distinguished international experts covering the most important issues concepts trends and technologies in multimedia technology This must have reference contains over 1 300 terms definitions and concepts providing the deepest level of understanding of the field of multimedia technology and networking for academicians researchers and professionals worldwide

Machine Learning for Big Data Analysis Siddhartha Bhattacharyya,Hrishikesh Bhaumik,Anirban Mukherjee,Sourav De,2018-12-17 This volume comprises six well versed contributed chapters devoted to report the latest findings on the applications of machine learning for big data analytics Big data is a term for data sets that are so large or complex that traditional data processing application software is inadequate to deal with them The possible challenges in this direction include capture storage analysis data curation search sharing transfer visualization querying updating and information privacy Big data analytics is the process of examining large and varied data sets i e big data to uncover hidden patterns unknown correlations market trends customer preferences and other useful information that can help organizations make more informed business decisions This volume is intended to be used as a reference by undergraduate and post graduate students of the disciplines of computer science electronics and telecommunication information science and electrical engineering THE SERIES FRONTIERS IN COMPUTATIONAL INTELLIGENCE The series Frontiers In Computational Intelligence is envisioned to provide comprehensive coverage and understanding of cutting edge research in computational intelligence It intends to augment the scholarly discourse on all topics relating to the advances in artificial life

and machine learning in the form of metaheuristics approximate reasoning and robotics Latest research findings are coupled with applications to varied domains of engineering and computer sciences This field is steadily growing especially with the advent of novel machine learning algorithms being applied to different domains of engineering and technology The series brings together leading researchers that intend to continue to advance the field and create a broad knowledge about the most recent research

Video Text Detection Tong Lu,Shivakumara Palaiahnakote,Chew Lim Tan,Wenyan Liu,2014-07-23 This book presents a systematic introduction to the latest developments in video text detection Opening with a discussion of the underlying theory and a brief history of video text detection the text proceeds to cover pre processing and post processing techniques character segmentation and recognition identification of non English scripts techniques for multi modal analysis and performance evaluation The detection of text from both natural video scenes and artificially inserted captions is examined Various applications of the technology are also reviewed from license plate recognition and road navigation assistance to sports analysis and video advertising systems Features explains the fundamental theory in a succinct manner supplemented with references for further reading highlights practical techniques to help the reader understand and develop their own video text detection systems and applications serves as an easy to navigate reference presenting the material in self contained chapters

*MultiMedia Modeling* Klaus Schoeffmann,Thanarat H. Chalidabhongse,Chong Wah Ngo,Supavadee Aramvith,Noel E. O'Connor,Yo-Sung Ho,Moncef Gabbouj,Ahmed Elgammal,2018-01-30 The two volume set LNCS 10704 and 10705 constitutes the thoroughly refereed proceedings of the 24th International Conference on Multimedia Modeling MMM 2018 held in Bangkok Thailand in February 2018 Of the 185 full papers submitted 46 were selected for oral presentation and 28 for poster presentation in addition 5 papers were accepted for Multimedia Analytics Perspectives Techniques and Applications 12 extended abstracts for demonstrations and 9 accepted papers for Video Browser Showdown 2018 All papers presented were carefully reviewed and selected from 185 submissions

**Advances in Visual Computing** George Bebis,Zhaozheng Yin,Edward Kim,Jan Bender,Kartic Subr,Bum Chul Kwon,Jian Zhao,Denis Kalkofen,George Baci,2020-12-11 This two volume set of LNCS 12509 and 12510 constitutes the refereed proceedings of the 15th International Symposium on Visual Computing ISVC 2020 which was supposed to be held in San Diego CA USA in October 2020 took place virtually instead due to the COVID 19 pandemic The 118 papers presented in these volumes were carefully reviewed and selected from 175 submissions The papers are organized into the following topical sections Part I deep learning segmentation visualization video analysis and event recognition ST computational bioimaging applications biometrics motion and tracking computer graphics virtual reality and ST computer vision advances in geo spatial applications and remote sensing Part II object recognition detection categorization 3D reconstruction medical image analysis vision for robotics statistical pattern recognition posters

Handbook of Video Databases Borko Furht,Oge Marques,2003-09-30 Technology has spurred the growth of huge image and video libraries many growing into the hundreds of terabytes As a result there is a

great demand among organizations for the design of databases that can effectively support the storage search retrieval and transmission of video data Engineers and researchers in the field demand a comprehensive reference that will help them design and implement the most complex video database projects Handbook of Video Databases Design and Applications presents a thorough overview in 45 chapters from more than 100 renowned experts in the field This book provides the tools to help overcome the problems of storage cataloging and retrieval by exploring content standardization and other content classification and analysis methods The challenge of these complex problems make this book a must have for video database practitioners in the fields of image and video processing computer vision multimedia systems data mining and many other diverse disciplines ACM Multimedia 2001 ACM International Multimedia Conference,2001 **Advances in Science, Engineering and Technology** Tasneem Ahmed,Shrish Bajpai,Mohammad Faisal,Suman Lata Tripathi,2025-05-23 The objective of the conference was to provide a common platform for innovative academicians and industrial experts working in the fields of sciences engineering and information technology It provided a platform for knowledge exchange and the development of new ideas on the transformative technologies of quantum computing video analytics Artificial Intelligence and Machine Learning The conference also discussed the significance of cutting edge technologies specifically Machine Learning and its pivotal role in the future of science and industry **The British National Bibliography** Arthur James Wells,2004 **American Book Publishing Record** ,2003 **Proceedings** ,2001 **Proceedings of the ... ACM SIGMM International Workshop on Multimedia Information Retrieval** ,2004 **Multimedia Content Analysis, Management, and Retrieval 2006** Edward Y. Chang,A. Hanjalic,Nicu Sebe,2006 Proceedings of SPIE present the original research papers presented at SPIE conferences and other high quality conferences in the broad ranging fields of optics and photonics These books provide prompt access to the latest innovations in research and technology in their respective fields Proceedings of SPIE are among the most cited references in patent literature **CHI 2000 Conference Proceedings** Thea Turner,Steven Pemberton,2000 **IEEE ... Workshop on Multimedia Signal Processing** ,2004 **Proceedings of 2002 IEEE Workshop on Multimedia Signal Processing** ,2002 **MIR '04** Michael S. Lew,Nicu Sebe,Chabane Djeraba,2004 **Image and Video Retrieval** ,2005

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