

PERSPECTIVES ON CONTENT-BASED MULTIMEDIA SYSTEMS

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Perspectives On Content Based Multimedia Systems

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Perspectives On Content Based Multimedia Systems:

Perspectives on Content-Based Multimedia Systems Jian Kang Wu, Mohan S. Kankanhalli, Joo-Hwee Lim, Dezhong Hong, 2006-04-11 Multimedia data comprising of images audio and video is becoming increasingly common The decreasing costs of consumer electronic devices such as digital cameras and digital camcorders along with the ease of transportation facilitated by the Internet has lead to a phenomenal rise in the amount of multimedia data generated and distributed Given that this trend of increased use of multimedia data is likely to accelerate there is an urgent need for providing a clear means of capturing storing indexing retrieving analyzing and summarizing such data Content based access to multimedia data is of primary importance since it is the natural way by which human beings interact with such information To facilitate the content based access of multimedia information the first step is to derive feature measures from these data so that a feature space representation of the data content can be formed This can subsequently allow for mapping the feature space to the symbol space semantics either automatically or through human intervention Thus signal to symbol mapping useful for any practical system can be successfully achieved Perspectives on Content Based Multimedia Systems provides a comprehensive set of techniques to tackle these important issues This book offers detailed solutions to a wide range of practical problems in building real systems by providing specifics of three systems built by the authors While providing a systems focus it also equips the reader with a keen understanding of the fundamental issues including a formalism for content based multimedia database systems multimedia feature extraction object based techniques signature based techniques and fuzzy retrieval techniques The performance evaluation issues of practical systems is also explained This book brings together essential elements of building a content based multimedia database system in a way that makes them accessible to practitioners in computer science and electrical engineering It can also serve as a textbook for graduate level courses

Perspectives on Content-Based Multimedia Systems Jian-Kang Wu, 2000-09-30 Multimedia data comprising of images audio and video is becoming increasingly common The decreasing costs of consumer electronic devices such as digital cameras and digital camcorders along with the ease of transportation facilitated by the Internet has lead to a phenomenal rise in the amount of multimedia data generated and distributed Given that this trend of increased use of multimedia data is likely to accelerate there is an urgent need for providing a clear means of capturing storing indexing retrieving analyzing and summarizing such data Content based access to multimedia data is of primary importance since it is the natural way by which human beings interact with such information To facilitate the content based access of multimedia information the first step is to derive feature measures from these data so that a feature space representation of the data content can be formed This can subsequently allow for mapping the feature space to the symbol space semantics either automatically or through human intervention Thus signal to symbol mapping useful for any practical system can be successfully achieved Perspectives on Content Based Multimedia Systems provides a comprehensive set of techniques to tackle these important issues This book

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Perspectives On Content Based Multimedia Systems Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has are more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Perspectives On Content Based Multimedia Systems**," written by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we will delve into the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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