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Visual Indexing and Retrieval

 Springer

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Preface

Visual Indexing and Retrieval is a wide-scope research domain which unites researchers from image analysis and computer vision, to information management. For nearly twenty years, this research has been extremely active world-wide. With the advent of social networks conveying huge amount of visual information to the user, the ever increasing capacities of broadcast transmission of content via heterogeneous networks, popularization of hand-carried devices, the realm of possibilities has got wide open both for industry leaders and researchers. Indeed, the always increasing size of visual content databases has brought to the fore the need for innovative content understanding, retrieval and classification methods. Such methods are henceforth of paramount importance to let people the ability to exploit such huge databases.

The book is the result of joint efforts of the French research community joined through the GDR CNRS ISIS, the national academic network in the field. Thanks to this network, the research results gathered and explained in this book have received global recognition, and are gaining more and more success in technology transfer. The authors hope that the most recent results and fruitful trends in Visual Indexing and Retrieval presented in this book will be helpful to young and experienced researchers willing to put the ideas forward and needing a solid understanding of the state-of-the art to do so, as well as to industry people willing to find an adequate algorithmic solution for their application area.

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Paris, France
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