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**Dumitru Dan Burdescu**  
*Guest Editor*

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## CONTENTS (Vol. 9, No. 3, August 2012)

|   |           |
|---|-----------|
| Guest Editorial   | iii       |
| Automated annotation of natural images using an extended annotation model<br><i>Liana Stanescu, Gabriel Mihai</i>   | 1- 19     |
| Pass-Image Authentication Method Tolerant to Random and Video-Recording Attacks<br><i>Yutaka Hirakawa, Motohiro Take, Kazuo Ohzeki</i>                                    | 20 - 36   |
| A Multiple Robust Digital Watermarking System for Still Images<br><i>Sergey Anfinogenov, Valery Korzhik, Guillermo Morales-Luna</i>                                       | 37- 46    |
| Simplified Centralized Operational Transformation Algorithm for Concurrent Collaborative Systems<br><i>Andrzej Romanowski, Pawel Wozniak, Juliusz Gonera</i>              | 47 - 60   |
| Evaluation of Effectiveness of the Stickgrip Device for Detecting the Topographic Heights on Digital Maps<br><i>Tatiana V. Evreinova, Grigori Evreinov, Roope Raisamo</i> | 61 - 76   |
| DCFMS: Data Handling Distributed System for Achieving High Data Availability<br><i>Cosmin Marian Poteras, Mihai Mocanu, Cristian Marian Mihaescu</i>                      | 77 - 91   |
| The Importance of Mobile Interface Icons on User Interaction<br><i>Chrysoula Gatsou, Anastasios Politis, Dimitrios Zevgolis</i>   | 92 - 107  |
| A Computer Application for 3D Craniofacial Reconstruction and Automatic Skull-Photo Identification<br><i>David Garrido, Leticia Carnero, Belén Ríos, Carmen Lastres</i>   | 108 - 127 |
| Using Learner's Classification Methodology for Building Intelligent Interaction Design<br><i>Marian Criatian Mihăescu</i>   | 128 - 140 |
| Effects of Quaghistogram on Image Retrieval and Clustering<br><i>Fatemeh Alamdard, Mohhamadreza Keyvanpour</i>  | 141 - 153 |
| Multiple Users Concurrency Performance for an Original Multimedia Database System<br><i>Cosmin Stoica Spahiu</i>  | 154 - 164 |



## Guest Editorial (Vol. 9, No. 3, August 2012)

Recent advances in pervasive computers, networks, telecommunications, and information technology, along with the proliferation of multimedia mobile devices - such as laptops, iPods, personal digital assistants (PDA), and cellular telephones - have stimulated the development of intelligent pervasive multimedia applications. Multimedia includes a combination of text, audio, still images, animation, video, or interactivity content forms. Multimedia search and retrieval actively looks for novel solutions, theoretical foundations, and better representations to address accuracy, efficiency, and scalability problems in multimedia search area, as well as a variety of multimedia applications based on search technologies such as multimedia search engines, personal media data management, and copyright infringement detection.

These key technologies are creating a multimedia revolution that will have significant impact across a wide spectrum of consumer, business, healthcare, and governmental domains. Yet many challenges remain, especially when it comes to efficiently indexing, mining, querying, searching, and retrieving multimedia data. Difficult research challenges involve the adaptation of intelligent software tools to the tight requirements posed by modern application.

The Multimedia - Processing and Applications (MMAP) Symposium within the framework FEDERATED CONFERENCE ON COMPUTER SCIENCE AND INFORMATION SYSTEMS (FedCSIS) addressed several themes related to theory and practice within multimedia domain. The enormous interest in multimedia from many activity areas (medicine, entertainment, education) led researchers and industry to make a continuous effort to create new, innovative multimedia algorithms and application. From papers that were accepted at MMAP 2011 we selected and invited the best 11 papers for publication in this special issue.

Dumitru Dan Burdescu  
*Guest Editor*



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