

10 Списък на научните трудове за участие в конкурса

Дисертация

- Ivanova, K.: A Novel Method for Content-Based Image Retrieval in Art Image Collections Utilizing Color Semantics. PhD Thesis, Hasselt University, Belgium, 2011, 210 p.
- Иванова, К.: Нов метод за анализ на съдържанието на изображения от картинни колекции, използващ семантиката на цветовете. Автореферат на дисертация на български език, София, България, 2011, 44 стр.

В дисертационния труд са цитирани следните статии:

1. Ivanova K., Stanchev, P., Dimitrov, B.: "Analysis of the distributions of color characteristics in art painting images", *Serdica Journal of Computing*, Vol.2, Num.2, Sofia, 2008, pp. 111-136, ISSN: 1312-6555.
2. Ivanova K., Stanchev, P.: "Color harmonies and contrasts search in art image collections", *First International Conference on Advances in Multimedia MMEDIA 2009*, 20-25.07.2009, Colmar, France, pp. 180-187, ISBN: 978-0-7695-3693-4. *Best paper award at MMEDIA 2009*.
3. Ivanova, K., Stanchev, P., Vanhoof, K.: "Automatic tagging of art images with color harmonies and contrasts characteristics in art image collections", *International Journal on Advances in Software*, Vol.3, No.3&4, 2010, pp. 474-484, ISSN: 1942-2628.
4. Ivanova K., Stanchev, P., Velikova, E., Vanhoof, K., Depaire, B., Kannan, R., Mitov, I., Markov, K.: "Features for art painting classification based on vector quantization of MPEG-7 descriptors", *Second International Conference on Data Engineering and Management ICDEM 2010*, 29-30.07.2010, India, LNCS, Vol. 6411, pp. 146-153.
5. Ivanova, K., Stanchev, P., Vanhoof, K., Ein-Dor, Ph.: "Semantic and abstraction content of art images". *Proc. of Fifth Mediterranean Conf. on Information Systems*, Tel Aviv, Israel, 12-14.09.2010, AIS Electronic Library, paper 42, <http://aisel.aisnet.org/mcis2010/42>
6. Ivanova, K.: "Content-based image retrieval in digital libraries of art images utilizing colour semantics". In 15th Int. Conf. on Theory and Practice of Digital Libraries, TPD-2011, Berlin, Germany, 26-28.09.2011 – Doctoral consortium (25.09.2011). *Gradmann, S., Borri, F., Meghini, C., Schuldt, H. (Eds.): Research and Advanced Technology for Digital Libraries*, LNCS 6966, 2011, pp.515-518, ISBN 978-3-642-24468-1.

Книга – съредактор и съавтор

- Ivanova, K., Dobрева, M., Stanchev, P., Totkov, G. (editors): *Access to Digital Cultural Heritage: Innovative Applications of Automated Metadata Generation*. University Publishing House "Paisii Hilendarski", Plovdiv, 2012, ISBN: 978-954-423-722-6, 256 p.

Статии в научни конференции или списания, глави от книги

- [1] Markov Kr., Kr. Ivanova, I. Mitov, St. Karastanev. *Advance of the Access Methods*. International Journal "Information Technologies and Knowledge", Vol. 2/2008, No.: 2. pp.123-135, ISSN: 1313-0455.
- [2] Mitov I., Kr. Ivanova, Kr. Markov, V. Velychko, K. Vanhoof, P. Stanchev. "PaGaNe" – A Classification Machine Learning System Based on the Multidimensional Numbered Information Spaces. In Int.Conf. "Intelligent Systems and Knowledge Engineering" (ISKE2009), 27-28.11.2009, Hasselt, Belgium; Printed in World Scientific Proceedings Series on Computer Engineering and Information Science, No:2, pp. 279-286, ISBN: 978-981-4295-05-5.

- [3] Mitov I., Kr. Ivanova, Kr. Markov, V. Velychko, P. Stanchev, K. Vanhoof. *Comparison of Discretization Methods for Preprocessing Data for Pyramidal Growing Network Classification Method*. Presented at Int.Conf. i.Tech-2009, Madrid, Spain, 02-05.09.2009. Published in Int. Book Series "Information Science & Computing" – Book No: 14. New Trends in Intelligent Technologies, Sofia, 2009, pp. 31-39, ISSN: 1313-0455.
- [4] Ivanova Kr., I. Mitov, Kr. Markov, P. Stanchev, K. Vanhoof, L. Aslanyan, H. Sahakyan. *Metric Categorization Relations Based on Support System Analysis*. In Proceedings of the VIIth Int. Conf. "Computer Science and Information Technologies", 28.09.10.2009, Yerevan, Armenia, pp.85-88, ISBN: 978-5-8080-0797-0.
- [5] Ivanova, K., Dobрева, M., Stanchev, P.: *Discovery and use of art images on the web: an overview*. Third International Euro-Mediterranean Conference EuroMed 2010, 8-13.11.2010, Lemesos, Cyprus, Archaeolingua, pp. 205-211, ISBN 978-963-9911-16-1.
- [6] Stanchev P., Ph. Ein-Dor, K. Ivanova, I. Mitov. *High Level Semantic Retrieval in Web Based Art Painting Digital Repositories*. Proc. of Third Int. Sci. Conf. ISK 2010, Varna, 27-30.06.2010, pp.159-169, ISSN: 1313-4345.
- [7] Станчев, П., Иванова, К., Койчев, И., Сомова, Е., Тотков, Г.: *Стандарти за мултимедийно съдържание*. Глава 4 от Стандарти и спецификации на метаданни за е-документи, под ред. на Г. Тотков, Издателство на ПУ "П.Хилендарски", Пловдив, 2010, стр.116-156, ISBN: 978-954-423-650-2.
- [8] Sotirova, K., Ivanova, K., Dobрева, M.: *The information literacy in the field of digital libraries: the problems and challenges*. In Proc. of the 4th Nat. Conf. "The Education in the Information Society", Plovdiv, Bulgaria, 2011, pp.25-34. // Сотирова, К., Иванова, К., Добрева, М.: *Информационната грамотност в областта на цифровите библиотеки: проблеми и предизвикателства*. Доклади на четвъртата нац. конф. Образованието в информационното общество, Пловдив, България, 26-27.05.2011, стр.25-34, ISSN: 1314-0752
- [9] Ivanova, K., Mitov, I., Stanchev, P., Dobрева, M., Vanhoof, K., Depaire, B.: *Applying associative classifier PGN for digitised cultural heritage resource discovery*. In Proc. of the 1st Int. Conf. "Digital Preservation and Presentation of Cultural Heritage", Veliko Tarnovo, Bulgaria, 11-14.09.2011, IMI-BAS, Sofia, 2011, pp.117-126, ISSN: 1314-4006.
- [10] Mitov, I., Ivanova, K., Depaire, B., Vanhoof, K.: *ArmSquare: an association rule miner based on multidimensional numbered information spaces*. In Proc. of the 1st Int. Conf. on Advances in Information Mining and Management, IMMM-2011, Barcelona, Spain, 23-29.10.2011, pp.143-148, ISBN: 978-1-61208-162-5.
- [11] Hadjikolev, E., Vragov, G., Totkov, G., Ivanova, K.: *REGATTA – Regional aggregator of heterogeneous cultural artefacts*. Presented at the Sixth SEEDI Conference "Digitization of cultural and scientific heritage", 18-20.05.2011, Zagreb, Croatia. Published in Review of the National Center for Digitization, Belgrade, Serbia, Issue: 21, 2012, pp.8-18, ISSN: 1820-0109.
- [12] Ivanova, K., Mitov, I., Stanchev, P., Ein-Dor, Ph., Vanhoof, K.: *Establishing correspondences between attribute spaces and complex concept spaces using Meta-PGN classifier*. Proc. of the 2nd Int. Conf. "Digital Preservation and Presentation of Cultural Heritage", Veliko Tarnovo, Bulgaria, IMI-BAS, Sofia, 2012, pp.71-77, ISSN: 1314-4006.