

Dipl.-Ing. Dr. techn. Yll Haxhimusa
Pattern Recognition and Image Processing Group
Institute for Computer Graphics and Algorithmis
Vienna University of Technology
Favoritenstr. 9/1863
Phone: +43(1)-58801-18670
Fax: +43(1)-58801-18697
email: yll@prid.tuwien.ac.at

Yll Haxhimusa's Publications List

References

- [1] Walter G. Kropatsch, Nicole M. Artner, Yll Haxhimusa, and Xiaoyi Jiang (eds). *Special issue on graph-based representations in pattern recognition. Pattern Recognition, Special Issue of GbRPR 2013.* 2014.
- [2] Marco Augustin, Yll Haxhimusa, Wolfgang Busch, and Walter G. Kropatsch. Image-based phenotyping of the mature arabidopsis shoot system. In *Computer Vision Problems in Plant Phenotyping, In conjunction with European Computer Vision Conference*, 2014.
- [3] Walter G. Kropatsch, Nicole M. Artner, Yll Haxhimusa, and Xiaoyi Jiang (eds). *Graph-Based Representations in Pattern Recognition - 9th IAPR-TC-15 International Workshop, GbRPR 2013, Vienna, Austria, May 15-17, 2013. Proceedings*, volume 7877 of *Lecture Notes in Computer Science*. Springer, 2013.
- [4] Samuel de Sousa, Yll Haxhimusa, and Walter G. Kropatsch. Estimation of distribution algorithm for the max-cut problem. In Walter G. Kropatsch, Nicole M. Artner, Yll Haxhimusa, and Xiaoyi Jiang, editors, *Graph-Based Representations in Pattern Recognition - 9th IAPR-TC-15 International Workshop, GbRPR 2013, Vienna, Austria, May 15-17, 2013. Proceedings*, volume 7877 of *Lecture Notes in Computer Science*, pages 244–253. Springer, 2013.
- [5] Esther Antunez, Yll Haxhimusa, Rebeca Marfil and Walter G. Kropatsch, and Antonio Bandera. Artificial visual attention using combinatorial pyramids. In Jose García Rodriguez and Miguel Cazorla (eds), editors, *Robotics and Vision: Technologies for Machine Learning and Vision Applications*, pages 439–457. IGI Global, 2012.

- [6] Yll Haxhimusa. Interactive labeling of image segmentation hierarchies. *Statisticae Woche*, pages 71–72, Vienna, Austria, 2012.
- [7] Philip Limbeck, Walter G. Kropatsch, and Yll Haxhimusa. Semi-automatic Tracking of Markers in Facial Palsy. In Yoshimitsu Aoki Hideo Saito (eds), editor, *ICPR 2012, In the Proceedings of the 21st Internatinal Conference in Pattern Recognition ICPR 2012, Tsukuba, Japan*, pages 69–72. IEEE Comp. Soc., 2012.
- [8] Gayane Shalunts, Yll Haxhimusa, and Robert Sablatnig. Segmentation of building facade domes. In Luis Álvarez, Marta Mejail, Luis Gómez, and Julio C. Jacobo, editors, *Progress in Pattern Recognition, Image Analysis, Computer Vision, and Applications - 17th Iberoamerican Congress, CIARP 2012, Buenos Aires, Argentina, September 3-6, 2012. Proceedings*, volume 7441 of *Lecture Notes in Computer Science*, pages 324–331. Springer, 2012.
- [9] Georg Zankl, Yll Haxhimusa, and Adrian Ion. Interactive labeling of image segmentation hierarchies. In Axel Pinz, Thomas Pock, Horst Bischof, and Franz Leberl, editors, *Pattern Recognition - Joint 34th DAGM and 36th OAGM Symposium, Graz, Austria, August 28-31, 2012. Proceedings*, volume 7476 of *Lecture Notes in Computer Science*, pages 11–20. Springer, 2012.
- [10] Gayane Shalunts, Yll Haxhimusa, and Robert Sablatnig. Architectural style classification of domes. In George Bebis, Richard Boyle, Bahram Parvin, Darko Koracin, Charless Fowlkes, Sen Wang, Min-Hyung Choi, Stephan Mantler, Jürgen P. Schulze, Daniel Acevedo, Klaus Mueller, and Michael E. Papka, editors, *Advances in Visual Computing - 8th International Symposium, ISVC 2012, Rethymnon, Crete, Greece, July 16-18, 2012, Revised Selected Papers, Part II*, volume 7432 of *Lecture Notes in Computer Science*, pages 420–429. Springer, 2012.
- [11] Iris van Rooij, Yll Haxhimusa, Zygmunt Pizlo, and Georg Gottlob. Computer Science & Problem Solving: New Foundations (Dagstuhl Seminar 11351). *Dagstuhl Reports*, 1(8):96–124, 2011.
- [12] Adrian Ion, Yll Haxhimusa, and Walter G. Kropatsch. Skewed coordinate system for dense point correspondences inside articulated shapes. Technical Report PRIP-TR-126, Pattern Recognition and Image Processing Lab, Institute of Computer Aided Automation, Vienna University of Technology, 2011.

- [13] Gayane Shalunts, Yll Haxhimusa, and Robert Sablatnig. Architectural style classification of building facade windows. In George Bebis, Richard D. Boyle, Bahram Parvin, Darko Koracin, Song Wang, Kyung-nam Kim, Bedrich Benes, Kenneth Moreland, Christoph W. Borst, Stephen DiVerdi, Yi-Jen Chiang, and Jiang Ming, editors, *Advances in Visual Computing - 7th International Symposium, ISVC 2011, Las Vegas, NV, USA, September 26-28, 2011. Proceedings, Part II*, volume 6939 of *Lecture Notes in Computer Science*, pages 280–289. Springer, 2011.
- [14] Michael Gerstmayer, Yll Haxhimusa, and Walter G. Kropatsch. Hierarchical interactive image segmentation using irregular pyramids. In Xiaoyi Jiang, Miquel Ferrer, and Andrea Torsello, editors, *Graph-Based Representations in Pattern Recognition - 8th IAPR-TC-15 International Workshop, GbRPR 2011, Münster, Germany, May 18-20, 2011. Proceedings*, volume 6658 of *Lecture Notes in Computer Science*, pages 245–254. Springer, 2011.
- [15] Yll Haxhimusa, Edward Carpenter, Joseph Catrambone, David Foldes, Emil Stefanov, Laura Arns, and Zygmunt Pizlo. 2d and 3d traveling salesman problem. *Journal of Problem Solving*, 2010.
- [16] Fuensanta Torres, Rebeca Marfil, Yll Haxhimusa, and Antonio Bandera. Combining regular decimation and dual graph contraction for hierarchical image segmentation. In Rocio Gonzalez-Diaz and Pedro Real Jurado, editors, *3rd International Workshop on Computational Topology in Image Context*, pages 97–104, Chipiona - Spain, November 2010. University of Sevilla, Spain. ISSN: 1885-4508.
- [17] Adrian Ion, Yll Haxhimusa, and Walter G. Kropatsch. An improved coordinate system for point correspondences of 2d articulated shapes. In Srecko Brlek, Christophe Reutenauer, and Xavier Provençal, editors, *Discrete Geometry for Computer Imagery, 15th IAPR International Conference, DGCI 2009, Montréal, Canada, September 30 - October 2, 2009. Proceedings*, volume 5810 of *Lecture Notes in Computer Science*, pages 92–103. Springer, 2009.
- [18] Martin Stubenschrott, Walter G. Kropatsch, and Yll Haxhimusa. Combining an optical flow feature detector with graph-based segmentation. In A. Ion and W.G. Kropatsch, editors, *Proceedings of the 14th Computer Vision Winter Workshop, CVWW 2009*, pages 91–98, Eibiswald,

Austria, February 2009. Pattern Recognition and Image Processing Lab, Vienna University of Technology.

- [19] Adrian Ion, Yll Haxhimusa, and Walter G. Kropatsch. A coordinate system for articulated 2d shape point correspondences (further aligning theta). In A. Ion and W.G. Kropatsch, editors, *Proceedings of the 14th Computer Vision Winter Workshop, CVWW 2009*, pages 91–98, Eibiswald, Austria, February 2009. Pattern Recognition and Image Processing Lab, Vienna University of Technology.
- [20] Yll Haxhimusa, Walter G. Kropatsch, Zygmunt Pizlo, and Adrian Ion. Approximative graph pyramid solution of the e-tsp. *Image Vision Comput.*, 27(7):887–896, 2009.
- [21] Samuel Peltier, Adrian Ion, Walter G. Kropatsch, Guillaume Damiand, and Yll Haxhimusa. Directly computing the generators of image homology using graph pyramids. *Image Vision Comput.*, 27(7):846–853, 2009.
- [22] Adrian Ion, Yll Haxhimusa, Walter G. Kropatsch, and Salvador B. López Mármlol. A coordinate system for articulated 2d shape point correspondences. In *19th International Conference on Pattern Recognition (ICPR 2008), December 8-11, 2008, Tampa, Florida, USA*, pages 1–4. IEEE, 2008.
- [23] Yll Haxhimusa, Zygmunt Pizlo, and Joseph Catrambone. Non-euclidean visual traveling salesman problem. *Journal of Vision*, 8(6):941, 2008.
- [24] Yll Haxhimusa, Joseph Catrambone, and Zygmunt Pizlo. Traveling salesman problem with non-euclidean distances. Washington DC, USA, 2008. abstract.
- [25] Axel Pinz, Horst Bischof, Walter G. Kropatsch, Gerald Schweighofer, Yll Haxhimusa, Andreas Opelt, and Adrian Ion. Representations for cognitive vision: A review of appearance-based, spatio-temporal, and graph-based approaches. *Electronic Letters on Computer Vision and Image Analysis*, 7(2):35–61, 2008.
- [26] Yll Haxhimusa, Emil Stefanov, and Pizlo Zygmunt. Solving Euclidean Traveling Salesman Problems in the Presence of Errors. Irvine, California, July, 2007. Abstract.

- [27] Andreas Hubmer, Adrian Ion, Walter G. Kropatsch, Yll Haxhimusa, and Hubert Hausegger. How humans describe short videos - details of an experiment. Technical Report PRIP-TR-113, Pattern Recognition and Image Processing Lab, Institute of Computer Aided Automation, Vienna University of Technology, June 2007.
- [28] Yll Haxhimusa. *Structurally Optimal Dual Graph Pyramid and its Application in Image Partitioning*. Dissertations in Artificial Intelligence. IOS Press and Akademische Verlagsgesellschaft AKA, Berlin, 2006.
- [29] Adrian Ion, Samuel Peltier, Yll Haxhimusa, and Walter G. Kropatsch. Decomposition for efficient eccentricity transform of convex shapes. In Walter G. Kropatsch, Martin Kampel, and Allan Hanbury, editors, *Computer Analysis of Images and Patterns, 12th International Conference, CAIP 2007, Vienna, Austria, August 27-29, 2007, Proceedings*, volume 4673 of *Lecture Notes in Computer Science*, pages 653–660. Springer, 2007.
- [30] Adrian Ion, Gabriel Peyré, Yll Haxhimusa, Samuel Peltier, Walter G. Kropatsch, and Laurent Cohen. Shape matching using the geodesic eccentricity transform - a study. In C. Beleznai W. Ponweiser, M. Vincze, editor, *The 31st annual workshop of the Austrian Association for Pattern Recognition OAGM 2007*, pages 97–104, Schloss Krumbach, Austria, May 2007. Austrian Computer Society.
- [31] Yll Haxhimusa, Walter G. Kropatsch, Zygmunt Pizlo, Adrian Ion, and Andreas Lehrbaum. Approximating tsp solution by mst based graph pyramid. In Francisco Escolano and Mario Vento, editors, *Graph-Based Representations in Pattern Recognition, 6th IAPR-TC-15 International Workshop, GbRPR 2007, Alicante, Spain, June 11-13, 2007, Proceedings*, volume 4538 of *Lecture Notes in Computer Science*, pages 295–306. Springer, 2007.
- [32] Samuel Peltier, Adrian Ion, Yll Haxhimusa, Walter G. Kropatsch, and Guillaume Damiand. Computing homology group generators of images using irregular graph pyramids. In Francisco Escolano and Mario Vento, editors, *Graph-Based Representations in Pattern Recognition, 6th IAPR-TC-15 International Workshop, GbRPR 2007, Alicante, Spain, June 11-13, 2007, Proceedings*, volume 4538 of *Lecture Notes in Computer Science*, pages 283–294. Springer, 2007.

- [33] Samuel Peltier, Adrian Ion, Yll Haxhimusa, and Walter G. Kropatsch. Controlling geometry of homology generators. In M. Grabner and H. Grabner, editors, *Proceedings of the 12th Computer Vision Winter Workshop, CWVV 2007*, pages 115–121, St. Lambrecht, Austria, February 2007. Austrian Computer Society.
- [34] Walter G. Kropatsch, Yll Haxhimusa, and Adrian Ion. Multiresolution image segmentations in graph pyramids. In Abraham Kandel, Horst Bunke, and Mark Last, editors, *Applied Graph Theory in Computer Vision and Pattern Recognition*, volume 52 of *Studies in Computational Intelligence*, pages 3–41. Springer, 2007.
- [35] Walter G. Kropatsch, Yll Haxhimusa, and Pizlo Zygmunt. MST based Pyramid Model of TSP. Vancouver, Canada, August, 2006. Abstract.
- [36] Samuel Peltier, Adrian Ion, Yll Haxhimusa, and Walter G. Kropatsch. Computing homology group generators of images using irregular graph pyramids. Technical Report PRIP-TR-111, Pattern Recognition and Image Processing Lab, Institute of Computer Aided Automation, Vienna University of Technology, December 2006.
- [37] Axel Pinz, Horst Bischof, Walter Kropatsch, Gerald Schweighofer, Yll Haxhimusa, Andreas Opelt, and Adrian Ion. Representations for cognitive vision: A review of appearance-based, spatio-temporal, and graph-based approaches. Technical Report PRIP-TR-109 and EMT-2006-02, Pattern Recognition and Image Processing Lab, Institute of Computer Aided Automation, Vienna University of Technology, 2006.
- [38] Thomas Illetschko, Adrian Ion, Yll Haxhimusa, and Walter G. Kropatsch. Effective programming of combinatorial maps using coma - a c++ framework for combinatorial maps. Technical Report PRIP-TR-106, Pattern Recognition and Image Processing Lab, Institute of Computer Aided Automation, Vienna University of Technology, 2006.
- [39] Zygmunt Pizlo, Emil Stefanov, John Saalwechter, Zheng Li, Yll Haxhimusa, and Walter G. Kropatsch. Traveling salesman problem: a foveating model. *Journal of Problem Solving*, 1(1):83–101, 2006.
- [40] Yll Haxhimusa, Adrian Ion, and Walter G. Kropatsch. Irregular pyramid segmentations with stochastic graph decimation strategies. In José Francisco Martínez Trinidad, Jesús Ariel Carrasco-Ochoa, and Josef Kittler, editors, *Progress in Pattern Recognition, Image Analysis*

and Applications, 11th Iberoamerican Congress in Pattern Recognition, CIARP 2006, Cancun, Mexico, November 14-17, 2006, Proceedings, volume 4225 of *Lecture Notes in Computer Science*, pages 277–286. Springer, 2006.

- [41] Adrian Ion, Thomas Illetschko, Yll Haxhimusa, and Walter G. Kropatsch. Distinguishing 3d-topological configurations of two tori. In Viorel Negru, Dana Petcu, Daniela Zaharie, Ajith Abraham, Bruno Buchberger, Alexandru Cicortas, Dorian Gorgan, and Joël Quinqueton, editors, *8th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC 2006), 26-29 September 2006, Timisoara, Romania*, pages 111–118. IEEE Computer Society, 2006.
- [42] Walter G. Kropatsch, Adrian Ion, Yll Haxhimusa, and Thomas Flanitzer. The eccentricity transform (of a digital shape). In Attila Kuba, László G. Nyúl, and Kálmán Palágyi, editors, *Discrete Geometry for Computer Imagery, 13th International Conference, DGCI 2006, Szeged, Hungary, October 25-27, 2006, Proceedings*, volume 4245 of *Lecture Notes in Computer Science*, pages 437–448. Springer, 2006.
- [43] Yll Haxhimusa, Adrian Ion, and Walter G. Kropatsch. Evaluating hierarchical graph-based segmentation. In *18th International Conference on Pattern Recognition (ICPR 2006), Volume 2, 20-24 August 2006, Hong Kong, China*, pages 195–198. IEEE Computer Society, 2006.
- [44] Yll Haxhimusa. *Structurally Optimal Dual Graph Pyramid and its Application in Image Partitioning*. PhD thesis, Vienna University of Technology, Faculty of Informatics, Institute of Computer Aided Automation, Pattern Recognition and Image Processing Group, 2006.
- [45] Adrian Ion, Walter G. Kropatsch, and Yll Haxhimusa. Considerations regarding the minimum spanning tree pyramid segmentation method. In Dit-Yan Yeung, James T. Kwok, Ana L. N. Fred, Fabio Roli, and Dick de Ridder, editors, *Structural, Syntactic, and Statistical Pattern Recognition, Joint IAPR International Workshops, SSPR 2006 and SPR 2006, Hong Kong, China, August 17-19, 2006, Proceedings*, volume 4109 of *Lecture Notes in Computer Science*, pages 182–190. Springer, 2006.
- [46] Adrian Ion, Hubert Hausegger, Walter G. Kropatsch, and Yll Haxhimusa. How humans describe short videos. In Markus Vincze and

Lucas Paletta, editors, *Proceedings of the 2nd International Cognitive Vision Workshop*, Graz, Austria, 13, May 2006.

- [47] Yll Haxhimusa, Adrian Ion, and Walter G. Kropatsch. Comparing hierarchies of segmentations: Humans, normalized cut, and minimum spanning tree. In Frank Lenzen, Otmar Scherzer, and Markus Vincze, editors, *Proceedings of 30th OEAGM Workshop*, pages 95–103, Obergurgl, Austria, 2006. Austrian Computer Society.
- [48] Thomas Illetschko, Adrian Ion, Yll Haxhimusa, and Walter G. Kropatsch. Collapsing 3d combinatorial maps. In Frank Lenzen, Otmar Scherzer, and Markus Vincze, editors, *Proceedings of 30th Austrian Association of Pattern Recognition Workshop*, pages 85–93, Obergurgl, Austria, 2006. Austrian Computer Society.
- [49] Thomas Illetschko, Adrian Ion, Yll Haxhimusa, and Walter G. Kropatsch. Distinguishing the 3 primitive 3d-topological configurations: Simplex, hole, tunnel. In Ondrej Cum and Vojtech Franc, editors, *Proceedings of the 11th. Computer Vision Winter Workshop CVWW 2006*, pages 22–27, Telc, Czech Republic, February 2006. Czech Pattern Recognition Society.
- [50] Walter G. Kropatsch, Yll Haxhimusa, and Pascal Lienhardt. Hierarchies relating topology and geometry. In Henrik I. Christensen and Hans-Hellmut Nagel, editors, *Cognitive Vision Systems, Sampling the Spectrum of Approaches [based on a Dagstuhl seminar]*, volume 3948 of *Lecture Notes in Computer Science*, pages 199–220. Springer, 2006.
- [51] Adrian Ion, Yll Haxhimusa, and Walter G. Kropatsch. A graph-based concept for spatiotemporal information in cognitive vision. Technical Report PRIP-TR-098, Pattern Recognition and Image Processing Lab, Institute of Computer Aided Automation, Vienna University of Technology, 2005.
- [52] Adrian Ion, Yll Haxhimusa, and Walter G. Kropatsch Kropatsch. A Topology-Based Concept for Contraction in Spatiotemporal Space. In M. Zillich and M. Vinze, editors, *Proceedings of the 1st Austrian Cognitive Vision Workshop*, pages 19–26. Austrian Computer Society, February 2005.
- [53] Adrian Ion, Yll Haxhimusa, Walter G. Kropatsch, and Luc Brun. Hierarchical Image Partitioning using Combinatorial Maps. In A. Hanbury

and H. Bischof, editors, *Proceedings of the 10th Computer Vision Winter Workshop , CVWW 2005*, pages 43–52, Zell an der Pram, Austria, February 2005. Austrian Computer Society.

- [54] Adrian Ion, Yll Haxhimusa, and Walter G. Kropatsch. A graph-based concept for spatiotemporal information in cognitive vision. In Luc Brun and Mario Vento, editors, *Graph-Based Representations in Pattern Recognition, 5th IAPR International Workshop, GbRPR 2005, Poitiers, France, April 11-13, 2005, Proceedings*, volume 3434 of *Lecture Notes in Computer Science*, pages 223–232. Springer, 2005.
- [55] Yll Haxhimusa, Adrian Ion, Walter G. Kropatsch, and Thomas Illetschko. Evaluating minimum spanning tree based segmentation algorithms. In André Gagalowicz and Wilfried Philips, editors, *Computer Analysis of Images and Patterns, 11th International Conference, CAIP 2005, Versailles, France, September 5-8, 2005, Proceedings*, volume 3691 of *Lecture Notes in Computer Science*, pages 579–586. Springer, 2005.
- [56] Walter G. Kropatsch, Yll Haxhimusa, Zygmunt Pizlo, and Georg Langs. Vision pyramids that do not grow too high. *Pattern Recognition Letters*, 26(3):319–337, 2005.
- [57] Walter G. Kropatsch and Yll Haxhimusa. Grouping of non-connected structures by an irregular graph pyramid. In Jorge S. Marques, Nicolas Pérez de la Blanca, and Pedro Pina, editors, *Pattern Recognition and Image Analysis, Second Iberian Conference, IbPRIA 2005, Estoril, Portugal, June 7-9, 2005, Proceedings, Part II*, volume 3523 of *Lecture Notes in Computer Science*, pages 107–114. Springer, 2005.
- [58] Yll Haxhimusa, Adrian Ion, Walter G. Kropatsch, and Luc Brun. Hierarchical Image Partitioning using Combinatorial Maps. In D. Chetverikov, L. Czuni, and M. Vincze, editors, *Proceeding of the Joint Hungarian-Austrian Conference on Image Processing and Pattern Recognition, HACIPPR 2005 - OAGM 2005/KEPAF 2005*, pages 179–186, Veszprém, Hungary, 11-13, May 2005. Austrian Computer Society.
- [59] Yll Haxhimusa and Walter G. Kropatsch. Segmentation graph hierarchies. In Ana L. N. Fred, Terry Caelli, Robert P. W. Duin, Aurélio C. Campilho, and Dick de Ridder, editors, *Structural, Syntactic, and Statistical Pattern Recognition, Joint IAPR International Workshops*,

SSPR 2004 and SPR 2004, Lisbon, Portugal, August 18-20, 2004 Proceedings, volume 3138 of *Lecture Notes in Computer Science*, pages 343–351. Springer, 2004.

- [60] Walter G. Kropatsch, Yll Haxhimusa, and Zygmunt Pizlo. Integral trees: Subtree depth and diameter. Technical Report PRIP-TR-092, Pattern Recognition and Image Processing Lab, Institute of Computer Aided Automation, Vienna University of Technology, 2004.
- [61] Walter G. Kropatsch and Yll Haxhimusa. Grouping and Segmentation in a Hierarchy of Graphs. In Charlie A. Bouman and Eric L. Miller, editors, *Proceedings of 16th Annual IS&T/SPIE Symposium Electronic Imaging, Computational Imaging II*, volume SPIE 5299, pages 193–204, USA, 2004. IS&T/SPIE.
- [62] Walter G. Kropatsch and Yll Haxhimusa. Hierarchical Grouping of Non-connected Structures. In Wilhelm Burger and Josef Scharinger, editors, *Proceedings of 28th Austrian Association of Pattern Recognition Workshop, OEAGM 2004*, pages 165–172, Hagenberg, Austria, 2004. OCG.
- [63] Walter G. Kropatsch, Yll Haxhimusa, and Zygmunt Pizlo. Integral trees: Subtree depth and diameter. In Reinhard Klette and Jovisa D. Zunic, editors, *Combinatorial Image Analysis, 10th International Workshop, IWCIA 2004, Auckland, New Zealand, December 1-3, 2004, Proceedings*, volume 3322 of *Lecture Notes in Computer Science*, pages 77–87. Springer, 2004.
- [64] Yll Haxhimusa, Roland Glantz, and Walter G. Kropatsch. Constructing stochastic pyramids by mides - maximal independent directed edge set. In Edwin R. Hancock and Mario Vento, editors, *Graph Based Representations in Pattern Recognition, 4th IAPR International Workshop, GbRPR 2003, York, UK, June 30 - July 2, 2003, Proceedings*, volume 2726 of *Lecture Notes in Computer Science*, pages 24–34. Springer, 2003.
- [65] Yll Haxhimusa and Walter G. Kropatsch. Image Partitioning with Graph Pyramids. In C. Belezna and Th. Schoegl, editors, *Proceedings of 27th Austrian Association of Pattern Recognition Workshop, OEAGM 2003*, pages 81–88, Laxenburg, Austria, 2003. Austrian Computer Society.

- [66] Yll Haxhimusa and Walter G. Kropatsch. Hierarchy of partitions with dual graph contraction. In Bernd Michaelis and Gerald Krell, editors, *Pattern Recognition, 25th DAGM Symposium, Magdeburg, Germany, September 10-12, 2003, Proceedings*, volume 2781 of *Lecture Notes in Computer Science*, pages 338–345. Springer, 2003.
- [67] Yll Haxhimusa and Walter G. Kropatsch. Hierarchical Image Partitioning with Dual Graph Contraction. Technical Report PRIP-TR-81, Pattern Recognition and Image Processing Lab, Institute of Computer Aided Automation, Vienna University of Technology, July 2003.
- [68] Yll Haxhimusa and Walter G. Kropatsch. Experimental results of mis, mises, mides and d3p. Technical Report PRIP-TR-78, Pattern Recognition and Image Processing Lab, Institute of Computer Aided Automation, Vienna University of Technology, 2003.
- [69] Yll Haxhimusa, Roland Glantz, Maamar Saib, G. Langs, and Walter G. Kropatsch. Reduction Factors of Image Pyramid on Undirected and Directed Graph. In H. Wildenauer and W. Kropatsch, editors, *Proceedings of the 7th. Computer Vision Winter Workshop, CVWW 2002*, pages 29–38. Pattern Recognition and Image Processing Lab, Institute of Computer Aided Automation, Vienna University of Technology, 2002.
- [70] Yll Haxhimusa and Walter G. Kropatsch. Reduction Factors of Pyramids on Undirected and Directed Graphs. Technical Report PRIP-TR-74, Pattern Recognition and Image Processing Lab, Institute of Computer Aided Automation, Vienna University of Technology, 2002.
- [71] Yll Haxhimusa and Walter G. Kropatsch. Path Lengths in Sochastic Graph Image Pyramid. In F. Leberl and F. Fraundorfer, editors, *Proceedings of 26th OEAGM Workshop*, pages 79–86, Graz, 2002. OCG.
- [72] Yll Haxhimusa, Roland Glantz, Maamar Saib, Georg Langs, and Walter G. Kropatsch. Logarithmic tapering graph pyramid. In Luc J. Van Gool, editor, *Pattern Recognition, 24th DAGM Symposium, Zurich, Switzerland, September 16-18, 2002, Proceedings*, volume 2449 of *Lecture Notes in Computer Science*, pages 117–124. Springer, 2002.
- [73] Maamar Saib, Yll Haxhimusa, and Roland Glantz. *Dgc_tool*: Building irregular graph pyramid using dual graph contraction. Technical Report PRIP-TR-69, Pattern Recognition and Image Processing Lab,

Institute of Computer Aided Automation, Vienna University of Technology, 2002.

- [74] Yll Haxhimusa, Maamar Saib, Roland Glantz, and Walter G. Kropatsch. Equivalent Contraction Kernels Using Dynamic Trees. In Boštjan Likar, editor, *Computer Vision - CVWW'01, Proceedings of the 6th. Computer Vision Winter Workshop*, pages 267–275, Ljubljana, 2001. Slovenian Pattern Recognition Society.
- [75] Yll Haxhimusa. Rrjetat neurale për njohjen e numrave. Master's thesis, University of Prishtina, Faculty of Electrical Engineering, Department of Control and Electronics, May 1998, Prishtinë, Kosovë (in Albanian), 1998.