Dr. Anastasios L. Kesidis

CURRICULUM VITAE

I.   EDUCATION

B.Eng   Electrical & Computer Engineer

                              Department of Electrical and Computer Engineering, Democritus University of Thrace, Greece

PhD   Electrical & Computer Engineering

                              Department of Electrical and Computer Engineering, Democritus University of Thrace, Greece

II.   PROFESSIONAL EXPERIENCE

2010-present   Assistant Professor
                              Department of Surveying Engineering
                              Technological Educational Institute of Athens, Greece

2005-2010   Research associate
                              Institute of Informatics and Telecommunications
                              National Center for Scientific Research "Demokritos", Greece

2002-2005   Head of Research and Development
                              Business Systems International S.A.

2000-2002   Post Doctoral Research Fellow
                              Center for Vision, Speech & Signal Processing, School of Electronics, Computing and Mathematics, University of Surrey, UK

III.   TEACHING EXPERIENCE

2004-2010   Scientific Associate
                              «Introduction to Computer Science and Programming»
                              1st Semester
                              Department of Surveying Engineering
                              Technological Educational Institute of Athens, Greece

2008-2010	Scientific Associate «Applied Computer Programming» 3rd Semester Department of Surveying Engineering Technological Educational Institute of Athens, Greece
2001-2002	Timetabled tutor of the Meng and Beng Honours Degree courses Center for Vision, Speech & Signal Processing School of Electronics, Computing and Mathematics University of Surrey, UK
1995-2000	Labor assistant «Digital Image Processing» 9th Semester Department of Electrical and Computer Engineering, Democritus University of Thrace, Greece

IV. PUBLICATIONS IN INTERNATIONAL JOURNALS

A1. A. L. Kesidis and N. Papamarkos, "On the inverse Hough transform", IEEE Trans. on Pattern Analysis and Machine Intelligence, Vol. 21, No. 12, pp.1329-1343, 1999.

A2. A. L. Kesidis and N. Papamarkos, "A window based inverse Hough transform", Pattern Recognition, Vol. 33, No. 6, pp. 1105-1117, 2000.

A3. A. L. Kesidis and N. Papamarkos, "On the gray-scale inverse Hough transform", Image and Vision Computing, Vol. 18, No. 8, pp.607-618, 2000.

A4. S.J. Perantonis, B. Gatos, K. Ntzios, I. Pratikakis, I. Vrettaros, A. Drigas, C. Emmanouilidis, A. Kesidis, D. Kalomirakis, "A system for Processing and Recognition of Old Greek Manuscripts", WSEAS Transactions on Computers, Vol. 3 No. 6, pp. 2049-2057, 2004

A5. S.J. Perantonis, B. Gatos, K. Ntzios, I. Pratikakis, I. Vrettaros, A. Drigas, C. Emmanouilidis, A. Kesidis, D. Kalomirakis, "Digitization, Processing and Recognition of Old Greek Manuscripts (The D- SCRIBE Project)", International Journal Information Theories, Vol. 11 No. 3, pp. 232-240, 2004

A6. A. L. Kesidis and N. Papamarkos, "Exact grayscale image reconstruction from projections", International Journal of Pattern Recognition and Artificial Intelligence, Vol 20, No. 5, pp. 711-726, 2006

A7. A. L. Kesidis and N. Papamarkos, "Exact image reconstruction from a limited number of projections", Journal of Visual Communication and Image Representation, Vol 19 No. 5, pp. 285-298, 2008.

V.   PUBLICATIONS IN INTERNATIONAL CONFERENCES

B1. A. L. Kesidis and N. Papamarkos, " On the Inverse Hough transform and its application for edge detection and filtering", Proc. Of International Conf. on Computational Intelligence for Modeling Control and Automation – Intelligent Image Processing, Data Analysis & Information Retrieval, CIMCA'99, pp. 48-53, Vienna, Austria, 1999.

B2. A. L. Kesidis and N. Papamarkos, "A gray-scale inverse Hough transform algorithm", ISCAS 2000 - IEEE International Symposium on Circuits and Systems, Vol. 5, pp. 297-300, Geneva, Switzerland, 2000.

B3. A. L. Kesidis and N. Papamarkos, "A window-based gray-scale inverse Hough transform algorithm and its applications on gray-scale line filtering", ICIP 2001, IEEE International Conference on Image Processing, Vol. 3, pp. 154-157, Thessaloniki, Greece, 2001.

B4. A. L. Kesidis and N. Papamarkos, "Exact reconstruction of a grayscale image from projections", IWSSIP 2002, International Workshop on Systems, Signals and Image Processing, pp. 317-312, Manchester, United Kingdom, 2002.

B5. A. L. Kesidis and N. Papamarkos, "Exact Image Reconstruction Using a Limited Number of Projection Samples", ISPA 2003, 3rd International Symposium on Image and Signal Processing and Analysis, pp. 465-470, Rome, Italy, 2003.

B6. A. L. Kesidis and N. Papamarkos, "Grayscale Image Reconstruction from Projections with Linear Noise Response ", SIPS 2005, IEEE Workshop on Signal Processing Systems, Athens, Greece, 2005.

B7. B. Gatos, I. Pratikakis, A. L. Kesidis, S. J. Perantonis, "Efficient Off-Line Cursive Handwritten Word Recognition", IWFHR 2006, 10th International Workshop on Frontiers in Handwriting Recognition, pp. 121-125, La Baule, France, 2006.

B8. A. L. Kesidis and B. Gatos, "A Robust Image Watermarking Technique Based on Spectrum Analysis and Pseudorandom Sequences", VISAPP 2007, 2nd International Conference on Computer Vision Theory and Applications, Barcelona, Spain, March, 2007.

B9. N. Stamatopoulos, B. Gatos and A. L. Kesidis, "Automatic Borders Detection of Camera Document Images", CBDAR'07, 2nd International Workshop on Camera-Based Document Analysis and Recognition, pp. 71-78, Curitiba, Brazil, 2007.

B10. A. L. Kesidis, "Limited Angle Image Reconstruction Using Four High Resolution Projection Axes at Co-Prime Ratio View Angles", VISAPP 2008, International Conference on Computer Vision Theory and Applications, pp. 50-57, Funchal, Madeira, Portugal, 2008.

B11. T. Konidaris, B. Gatos, S. J. Perantonis and A. L. Kesidis, "Keyword Matching in Historical Machine-Printed Documents using Synthetic Data, Word Portions and Dynamic Time

Warping", DAS'08, 8th IAPR Workshop on Document Analysis Systems, pp. 539-545, Nara, Japan, 2008.

B12. D. Kosmopoulos, <u>A. L. Kesidis</u>, P. Antonakaki, K. Valasoulis and S. J. Perantonis, "SemVeillance System: Tracking and behavior recognition under occlusions", ECAI2008, 18th European Conference on Artificial Intelligence, Patra, Greece, 2008.

B13. D. Kosmopoulos, P. Antonakaki, K. Valasoulis, <u>A. L. Kesidis</u>, S. Perantonis, "Human Behavior Classification using Multiple Views", Hellenic Artificial Intelligence Conference SETN08, pp. 123-134, Syros, Greece, 2008.

B14. <u>A. L. Kesidis</u> and D. Kosmopoulos, "Robust Occlusion Handling With Multiple Cameras Using A Homography Constraint", VISAPP 2009, International Conference on Computer Vision Theory and Applications, Lisbon, Portugal, 2009.

B15. <u>A. L. Kesidis</u>, E. Galiotou, B. Gatos, A. Lampropoulos, I. Pratikakis, I. Manolessou and A. Ralli, "Accessing the content of Greek historical documents", 3rd Workshop on Analytics for Noisy Unstructured Text Data (AND'09), pp. 55-62, Barcelona, Spain, July 2009

VI.   CITATIONS

More than 60 non-self citations.

VII.   TALKS - PRESENTATIONS

- A. L. Kesidis, "Image reconstruction from its projections", Department of Informatics, University of Ioannina, Greece, 16/12/2003

- A. L. Kesidis, "Image reconstruction from its projections", Institute of Informatics and Telecommunications, National Center for Scientific Research "Demokritos", Greece, 18/10/2006

- E. Charou and A. L. Kesidis, "Environmental management using MERIS/ENVISAT images", Summer School, National Center for Scientific Research "Demokritos", Greece, 9/7/2008

- E. Charou and A. L. Kesidis, "Intelligent methods for remote sensing data processing ", Summer School, National Center for Scientific Research "Demokritos", Greece, 7/7/2009

VIII.   ORGANIZING COMMITTEES

- *Program Committee in **International Conferences**:*

    o VISAPP 08

      International Conference on Computer Vision Theory and Applications 2008

    o VISAPP 09

International Conference on Computer Vision Theory and Applications 2009

   o VISAPP 10

   International Conference on Computer Vision Theory and Applications 2010

- *Session chair in **International Conferences***:

   o VISAPP 07

   International Conference on Computer Vision Theory and Applications 2007

   o VISAPP 09

   International Conference on Computer Vision Theory and Applications 2009

IX. SCIENTIFIC REVIEWS

- *Reviewer in **International Journals***:

   o ELECTRONIC LETTERS

      Publisher: The Institution of Engineering and Technology

   o SIGNAL PROCESSING

      Publisher: Elsevier

   o JOURNAL OF MATHEMATICAL IMAGING AND VISION

      Publisher: Kluwer Academic Publishers

   o RESEARCH LETTERS IN SIGNAL PROCESSING

      Publisher: Hindawi

   o JOURNAL OF ELECTRONIC IMAGING

      Publisher: SPIE - Society of Photo-optical Instrumentation Engineers

- • *Reviewer in **International Conferences***:

   o VISAPP 07

   International Conference on Computer Vision Theory and Applications 2007

   o ICVS 08

   International Conference on Computer Vision Systems 2008

   o VISAPP 08

   International Conference on Computer Vision Theory and Applications 2008

- o ICPR 08

  International Conference on Pattern Recognition 2008

- o VISAPP 09

  International Conference on Computer Vision Theory and Applications 2009

- o VISAPP 10

  International Conference on Computer Vision Theory and Applications 2010

- o ICPR 10

  International Conference on Pattern Recognition 2010

X.   INTERNATIONAL PATENTS

1. HISTOLOGICAL ASSESMENT

   - **Reference** United States Patent 7079675
   - **Issued Date** 18 July 2006
   - **Inventor(s)** Hamer; Michael J (GB), Petrou; Maria (GB), Kesidis; Anastasios (GR), Varga; Margaret (GB)
   - **Applicant(s)** QinetiQ Ltd (GB)
   - **Application Number** 10/524492

2. MEASUREMENT OF MITOTIC ACTIVITY

   - **Reference** United States Patent 7577280
   - **Issued Date** 18 August 2009
   - **Inventor(s)** Guittet; Christelle (FR), Ducksbury; Paul Gerard (GB), M., Petrou; Maria (GB), Kesidis; Anastasios (GR), Cipolla; Roberto (GB), Varga; Margaret (GB)
   - **Applicant(s)** QinetiQ Ltd (GB)
   - **Application Number** 10/535140

3. HISTOLOGICAL ASSESMENT OF NUCLEAR PLEOMORPHISM

   - **Reference** United States Patent 7616790
   - **Issued Date** 10 November 2009
   - **Inventor(s)** Petrou; Maria (GB), Kesidis; Anastasios (GR), Varga; Margaret (GB), Ducksbury; Paul Gerard (GB)
   - **Applicant(s)** QinetiQ Ltd (GB)
   - Application Number 10/535323