CURRICULUM VITAE

NAME : Dr. GEORGE ANASTASSOPOULOS
Director of Medical Informatics Laboratory,
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EDUCATION

1984-1989:   Patras University - Greece. **Diploma in Electrical Engineering.**
1989-1996:   Patras University - Greece. **PhD in Electrical Engineering and Computer Technology.**
1997-1998:   Patras SELETE - Greece.
2002-2003:   Hellenic Open University – Postgraduate course in Distance learning – Greece.

EMPLOYMENT

2004 – today: Director of Medical Informatics Laboratory, Medical School, Democritus University of Thrace, Greece.
2003 – today: Assistant professor of Medical Informatics, Medical Informatics Laboratory, Medical School, Democritus University of Thrace, Greece.
2004 – 2008: Cooperative Educational Personnel of Informatics in the Department of Languages, Literature and Culture of the Black Sea Countries, Democritus Univerisity of Thrace, Greece.
2000 – today: Cooperative Educational Personnel of Informatics in Hellenic Open University, Greece.
2000 – 2004: Cooperative Educational Personnel of Informatics in Molecular Biology and Genetics Department, Democritus Univerisity of Thrace, Greece.
1999 – 2003: Lecturer of Medical Informatics, Medical Informatics Laboratory, Medical School, Democritus University of Thrace, Greece.
1998 - 1999: Special Consultant of the General Secretary of the Region of Western Greece.
1997 – 1999: Assistant Professor of Informatics, Technological Educational Institute (TEI) of Patras, Greece.
1997 - 1998: System Administrator, Technological Educational Institute (TEI) of Patras, Greece.
1996 - 1997: Professor in Private Educational Institute of Patras: AKMH
1992 - 1998: Professor in Public Educational Institute of Patras, Greece.
1989 - 1996: Researcher in Wire Communications Laboratory, University of Patras, Greece.

TEACHING EXPERIENCE

- «Medical Informatics», Medical School, Democritus University of Thrace, Greece.
- «Hospital Information Systems», Medical School, Democritus University of Thrace, Greece.

- «Telemedicine services in Health care», Medical School, Democritus University of Thrace, Greece.
- «Introduction to Informatics», Hellenic Open University, Greece.
- «Informatics», Department of Languages, Literature and Culture of the Black Sea Countries, Democritus Univerisity of Thrace, Greece.
- «Education with the use of new technologies», Department of Languages, Literature and Culture of the Black Sea Countries, Democritus University of Thrace, Greece.
- «Informatics», Molecular Biology and Genetics Department, Democritus University of Thrace, Greece.
- «Computer Architecture», Technological and Educational Institute of Patras, Greece.
- «Basic - Programming Language», Technological and Educational Institute of Patras, Greece.
- «C - Programming Language», Public Educational Institute of Patras, Greece.

RESEARCH PROJECTS

1. RACE - TELEMED
2. PABE-87
3. RACE - APTITUDE
4. STRIDE TELEMEDICINE
5. TELEMATIQUE - MUSEUMS
6. PABE-93
7. European Community Project II – Libraries
8. EPEAEK II

QUALIFICATIONS

- English language.
- German language.
- Member of the Technical Chamber of Greece.
- Member of the Union of Greek Electrical and Mechanical Engineers.
- Member of the Greek Medical Technology and Informatics Company.
- Member of the company for the protection of the environment

INTERESTS

- Artificial intelligence
- Telemedicine applications
- Medical Databases
- Medical Image Processing and Compression
- Multimedia
- Internet

GUEST EDITOR

Special Issue on Healthcare Applications and Services in Converged Networking Environments, International Journal of Telemedicine and Applications, Hindawi Publishing Corporation.

SEMINARS – REVIEWER - PUBLICATIONS

Seminars: 42
Reviewer in International Journals and Conferences: 13

Publications in international journals and proceedings of conferences: 74

RECENT PUBLICATIONS

1. Dimitrios Mantzaris, George Anastassopoulos, Lazaros Iliadis, Konstantinos Kazakos and Harris Papadopoulos, "A Soft Computing Approach for Osteoporosis Risk Factor Estimation", in IFIP International Federation for Information Processing, Volume 339, Proc. in 6th IFIP International Conference on Artificial Intelligence, Applications and Innovations, AIAI2010, Cyprus, Eds. Papadopoulos H., Andreou A. and Bramer, M., (Springer), pp. 120-127, 2010.

2. Dimitrios Mantzaris, George Anastassopoulos, Lazaros Iliadis, Aggelos Tsalkidis and Adam Adamopoulos, "A Probabilistic Neural Network for Assessment of the Vesicoureteral Reflux's Diagnostic Factors Validity", Konstantinos Diamantaras, Wlodek Duch, and Lazaros S. Iliadis (Eds.): Artificial Neural Networks – ICANN 2010, Part I, LNCS 6562, Springer-Verlag Berlin Heidelberg, pp. 241-250, 2010.

3. Ioannis M. Stephanakis, George C. Anastassopoulos and Lazaros S. Iliadis, "Color Segmentation Using Self-Organizing Feature Maps (SOFMs) Defined Upon Color and Spatial Image Space ",Konstantinos Diamantaras, Wlodek Duch, and Lazaros S. Iliadis (Eds.): Artificial Neural Networks – ICANN 2010, Part I, LNCS 6562, Springer-Verlag Berlin Heidelberg, pp. 500-510, 2010.

4. Georgios Konstantinidis, George C. Anastassopoulos, Alexandros S. Karakos, Emmanouil Anagnostou and Vasileios Danielides, «A User-Centered, Object-Oriented Methodology for Developing Health Information Systems: A Clinical Information System (CIS) Example», Journal of Medical Systems, Springer, 2010, DOI: 10.1007/s10916-010-9488-x

5. Chatzitolios A, Venizelos I, Tripsiannis G, Anastassopoulos G, Papadopoulos N., "Prognostic significance of CD95, P53, and BCL2 expression in extranodal non-Hodgkin's lymphoma", Annals of Hematology, Springer-Verlag, vol. 89, no 9, pp. 889–896, Mar 2010.

6. Panagiotakopoulos , T. C.; Lyras, D. P.; Livaditis, M.; Sgarbas, K. N.; Anastassopoulos, G. C.; Lymberopoulos , D. K.; , "A Contextual Data Mining Approach Toward Assisting the Treatment of Anxiety Disorders," IEEE Transactions on Information Technology in Biomedicine, vol.14, no. 3, pp. 567 - 581, May 2010, doi: 10.1109/TITB.2009.2038905

7. Dimitrios Mantzaris, George Anastassopoulos, Lazaros Iliadis and Adam Adamopoulos, "A hybrid multi-objective genetic algorithm for evaluation of essential sets of medical diagnostic factors", Engineering Intelligent Systems, Vol 17, No. 2-3, pp. 99-104, June/September 2009.

8. G. Anastasopoulos, L. Iliadis, "Intelligent hybrid modeling towards the prognosis of abdominal pain", International Journal Of Hybrid Intelligent Systems, Vol. 6, Number 4, pp. 245-255, (2009).

9. Adam Adamopoulos, Mirto Ntasi, Seferina Mavroudi, Spiros Likothanassis, Lazaros Iliadis and George Anastassopoulos, "Revealing the Structure of Childhood Abdominal Pain Data and Supporting Diagnostic Decision Making", Engineering Applications of Neural Networks, D. Palmer-Brown et al. (Eds.): EANN 2009, CCIS 43, pp. 165–177, 2009, Springer-Verlag Berlin Heidelberg 2009, 11th International Conference EANN, London, UK, August 2009.

10. Dimitrios Mantzaris, George Anastassopoulos, Lazaros Iliadis and Adam Adamopoulos, "An Evolutionary Technique for Medical Diagnostic Risk Factors Selection", in IFIP International Federation for Information Processing, Volume 296; Artificial Intelligence Applications and Innovations III; Eds. Iliadis,L., Vlahavas, I., Bramer, M.; (Boston: Springer), pp. 195-203, 2009.

11. Ioannis M. Stephanakis and George C. Anastassopoulos, "Three-dimensional tomographic reconstruction through two-dimensional multiresolution backprojection steps according to Marr's method", Optical Engineering 48(3), pp. 1-12, March 2009.

12. Dimitrios H. Mantzaris, George C. Anastassopoulos and Dimitrios K. Lymberopoulos, "Medical Disease Prediction Using Artificial Neural Networks", Proc. of the 8th IEEE International Conference on BioInformatics and Bio Engineering (BIBE 2008), Oct. 2008.

13. Dimitrios Mantzaris, George Anastassopoulos, Adam Adamopoulos and Stefanos Gardikis, "A non-Symbolic Implementation of Abdominal Pain Estimation in Childhood", Information Sciences, Volume 178, Issue 20, pp. 3860-3866, Oct. 2008.

14. George C. Anastassopoulos and Lazaros S. Iliadis, "ANN for prognosis of abdominal pain in childhood: use of fuzzy modeling for convergence estimation", 18th European Conference on Artificial Intelligence (ECAI 2008), - Proc. of the 1st International Workshop on Combinations of Intelligent Methods and Applications (CIMA-08), pp. 1-5, July 2008.

15. M. Lambropoulou, D. Tamiolakis, I. Venizelos, G. Alexiadis, G. Anastasopoulos, V. Limberis, G. Galazios, P. Tsikouras, M. Simopoulou, S. Nikolaidou, G. Petrakis and N. Papadopoulos, "Induction of hepatic haematopoiesis with fibronectin expression by EMT stromal cells during the second trimester of development", Clinical and Experimental Medicine (2007) 7:115–121.

16. Dimitrios Mantzaris, George Anastassopoulos, Adam Adamopoulos, Ioannis Stephanakis, Katerina Kambouri and Stefanos Gardikis, "Abdominal Pain Estimation in Childhood based on Artificial Neural Network Classification", Proc. of the 10th International Conference on Engineering Applications of Neural Networks (EANN 2007), pp. 129-134, August 2007

17. Dimitrios Mantzaris, George Anastassopoulos, Adam Adamopoulos, Ioannis Stephanakis, Katerina Kambouri and Stefanos Gardikis, "Selective Clinical Estimation of Childhood Abdominal Pain based on Pruned Artificial Neural Networks", Proc. of the 3th WSEAS International Conference on Cellular and Molecular Biology, Biophysics and Bioengineering, Vouliagmeni, Athens, Greece, pp. 50-55, 2007.

18. Ioannis M. Stephanakis and George C. Anastassopoulos, "Object Oriented Wavelet Sub-band Coding of Medical Images with Differentiated Quality Representation per Medical Object", WSEAS Transactions on Information Science and Applications, Issue 11, Vol. 3, pp. 2177-2183, Nov. 2006.

19. Ioannis M. Stephanakis and George C. Anastassopoulos, "Segmentation using adaptive thresholding of the image histogram according to the incremental rates of the segment likelihood functions", Proceedings of 5th International Symposium Communication Systems Networks and Digital Signal Processing, University of Patras, Greece, pp. 464-468, July 2006.

20. Dimitrios H. Mantzaris, George C. Anastassopoulos, Aggelos D. Tsalkidis and Adam V. Adamopoulos, "Intelligent Prediction of Vesicoureteral Reflux Disease", WSEAS Transactions on Systems, Vol. 4, Issue 9, pp. 1440-1449, September 2005.

21. Ioannis M. Stephanakis, and George C. Anastassopoulos, "A Radial-Basis-Function Mixture Model For Automatic Determination of Fuzzy Membership Functions Used in Thresholding of Medical Imagery", Proc. of the 9th WSEAS International Multiconference on Circuits, Systems, Communications and Computers, CSCC 2005, Athens, Greece, July 11-13, 2005.

22. Ioannis M. Stephanakis, and George C. Anastassopoulos, "Fuzzy Segmentation of Intra-Operative Cholangiography Images into the Optimal Number of Regions", WSEAS Transactions on Systems, Vol. 4, Issue 6, pp. 786-795, June 2005.

23. G. Anastassopoulos, S. Gardikis, K. Antypas, D. Mantzaris, S. Soultanides, S. Antypas, A. Rigas and I. Androulakis, "Criteria for Evaluating Educational Medical Websites on the Internet", Proc. of the European Federation of Medical Informatics (EFMI) special topic conference 2005: Health and Medical Informatics Applications – Educational Aspects, pp. 106-109, Athens, March 2005.

24. P. Galanopoulos, G. Mandellos, G. Anastassopoulos and D. Lymperopoulos, "WCL-Viewer: An integrated system for medical image administration and processing", WSEAS Transactions on Computers, Vol. 3, Issue 5, pp. 1247-1252, 2004.

25. G. Mandellos, M. Koukias, G. Anastassopoulos and D. Lymperopoulos, "A new SCP-ECG module for telemedicine services", WSEAS Transactions on Computers, Vol. 3, Issue 5, pp. 1258-1263, 2004.

26. G. Anastassopoulos, I. Stephanakis, A. Karayiannakis, D. Mantzaris and C. Simopoulos, "A Fuzzy Model for Non-Linear Segment-Dependent Equalization of

Radiographs Used to Detect Intraperitoneal Free Air", WSEAS Transactions on Information Science and Applications, Vol. 1, Issue 1, pp. 257-262, 2004.

27. I. Stephanakis and G. Anastassopoulos, "Watershed Segmentation of Medical Images with ON-The-Fly Seed Generation and Region Merging", WSEAS Transactions on Information Science and Applications, Vol. 1, Issue 1, pp. 303-308, 2004.

28. George K. Anastassopoulos, Lamprini Kolovou and Dimitrios Lymperopoulos, "A Spatial Distributed Approach for Electronic Medical Record Administration", Recent Advances In Communications And Computer Science, Electrical and Computer Engineering Series, A series of Reference Books and Textbooks, WSEAS, pp. 407-412, 2003.

29. George K. Anastassopoulos, Dimitrios H. Mantzaris and Ioannis M. Stephanakis, "Criteria for Evaluation of Medical Websites on the Internet", WSEAS Transaction on Computers, Vol. 2, Issue 1, 2003.

30. Ioannis Stephanakis, George Anastassopoulos, Anastassios Karayannakis and Constantinos Simopoulos, "Enhancement of Medical Images Using a Fuzzy Model for Segment Dependent Local Equalization", 3rd International Symposium in Image and Signal Processing Analysis, Rome, Italy, Sep. 2003.

31. George K. Anastassopoulos and Athanassios Skodras, "JPEG 2000 ROI coding in medical imagery applications", Proc. of the 2nd IASTED International Conference in Visualization, Imaging and Image Processing, ACTA Press, pp. 783-788, Malaga, Spain, Sept. 2002, (invited paper).

32. G. J. Mandellos, M. Koukias, D. K. Lymberopoulos, and G. K. Anastassopoulos, "Medical image quality evaluation of a telemedicine service provided by hellenic PTT", Proc. of the 2nd IASTED International Conference in Visualization, Imaging and Image Processing, ACTA Press, pp. 344-348, Malaga, Spain, Sept. 2002.

33. G. Anastassopoulos, A. Tsalkidis, I. Stephanakis, G. Mandellos and K. Simopoulos, "Application of JPEG2000 compression in medical database image data", Proc. Digital Signal Processing 2002, Vol. II, pp. 539-542, Santorini, Greece, July 2002.