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Books

Machine Learning: A Bayesian and Optimization Perspective (1st edition)S. Theodoridis.
[Book published by Elsevier](#)

This book gives a unifying perspective on machine learning by covering both probabilistic and deterministic approaches, together with the Bayesian inference approach. The material presents the major machine learning methods as they have been developed in different disciplines, such as statistics, statistical and adaptive signal processing and computer science. It builds carefully from the basic classical methods to the most recent trends, making the text suitable for different courses: pattern recognition, statistical/adaptive signal processing, statistical/Bayesian learning, as well as short courses on sparse modeling, deep learning, and probabilistic graphical models. (Harris Georgiou: acknowledged for contribution/proof-reading) Elsevier, 1st/edition, ISBN:978-0128015223, 10-Apr-2015. [UoA/S.Theodoridis:

[book's homepage](#)

]

Transforming Clothing Production into a demand-driven, knowledge-based, high-tech industry - The

[Leapfrog](#)

paradigm

H. Georgiou, G. Kartsounis (members of the team of AUA, subcontractor to Hohenstein Institute, contributing authors).

[Book published by Springer](#)

, regarding advances in nanotechnology and innovative polymeric materials, flexible robotics and innovative joining techniques, 3D CAD and Collaborative Virtual Prototyping, knowledge networking of textile and garment organizations. The book is a collection of short papers from prominent researchers involved with the LEAPFROG (Leadership for European Apparel Production From Research along Original Guidelines) initiative. LEAPFROG proposes a revolutionary industrial paradigm based on research results in scientific-technological fields, outlining key developments in all of the above areas, covering both technological and business aspects. It is an excellent reference for decision makers, managers, scientists and practitioners

in the textile and clothing sectors, as well as academics and postgraduate students across a range of disciplines. (results from: LEAPFROG-IP, 6th Framework, FP6-2003-NMP-NI-3, Contract No: 515810). Springer, 1st/edition, ISBN:978-1848826076, 29-Sept-2009. [download: [preface/TOC \(pdf\)](#)

from Springer.com]

Pattern Recognition (4th edition)

S. Theodoridis, C. Koutroumbas.

[Book published by Academic Press](#)

, a classic textbook covering classical and current theory and practice, of supervised, unsupervised and semi-supervised pattern recognition, to build a complete background for professionals and students of engineering. The authors, leading experts in the field of pattern recognition, have provided an up-to-date, self-contained volume encapsulating this wide spectrum of information. The very latest topics are incorporated in this edition, including semi-supervised learning, combining clustering algorithms, and relevance feedback. (Harris Georgiou: acknowledged for contribution/proof-reading) Academic Press, 4th/edition, ISBN:978-1597492720, 04-Nov-2009. [UoA/S.Theodoridis:

[book's homepage](#)

]

Algorithms for Medical Image Analysis – Part I: Applications Programming (in Greek)

H. Georgiou. Book published by Arnaoutis Publ. (Oct. 2012). The book is the first part of a two-volume work on all the intermediate processing levels in Computer Aided Diagnosis (CAD) or Automated Computer Diagnosis (ACD), focused primarily on the programming and development of relevant applications. It also covers all the necessary background theory and algorithms for Image Analysis and Medical Imaging, as well as Pattern Recognition and Machine Learning. All the material covered in this book is complete and independent, focusing on the characterization of ultrasonic images of human liver for diagnostic purposes, employing a wide variety of methodologies of statistical image analysis and Machine Learning. The same material has been used for lectures and tutorials in graduate (BSc) and post-graduate (MSc) level courses taught by the author for many years, in relation to Artificial Intelligence and Digital Imaging, as well as programming algorithms for Pattern Recognition. The book is accompanied by full source code (ANSI C/C++) of more than 12.000 lines and complete description of the implemented full applications that are presented therein. Arnaoutis Publ., ISBN: 978-9609764094, 19-Oct-2012. [

[Publisher's homepage](#)

]

Algorithms for Medical Image Analysis – Part II: Morphological and Texture Characterization via Machine Learning (in Greek)

H. Georgiou. Book published by Arnaoutis Publ. (Oct. 2012). The book is the second part of a two-volume work on all the intermediate processing levels in Computer Aided Diagnosis (CAD) or Automated Computer Diagnosis (ACD), focused primarily on the theoretical aspects of related algorithms and methodologies. The material covers a wide theoretical background regarding all the intermediate stages of Diagnostic Imaging, while at the same time focusing on specific techniques and experimental results on Image Analysis & Medical Imaging and Pattern Recognition. All the material covered in this book is complete and independent, focusing on the characterization of tumorous masses in mammographic images of human breast for diagnostic purposes, employing a wide variety of methodologies of statistical image analysis and Machine

Publications List

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Learning. The same material has been used for lectures and tutorials in graduate (BSc) and post-graduate (MSc) level courses taught by the author for many years, in relation to Machine Learning and Digital Imaging, as well as programming algorithms for Pattern Recognition. It includes a very extended list of more than 860 relevant bibliographic references and it can be used as a valuable textbook for every new student, researcher and teacher in these topics.

Arnautis Publ., ISBN: 978-9609764100, 19-Oct-2012. [

[Publisher's homepage](#)

]

Patents

U.S. Patent No. 7,664,227 B2: Intelligent Adaptive X-Ray Imaging System Filed:

11-May-2007 (appl. no. 11/801,782), Granted: 16-Feb-2010, Inventors: R. Speller – G. Royle (UCL). Contribution (H.G.): Member of the workgroup and co-author of related publications, with regard to the [I-I](#)

[maS research project](#)

(EU, 6th Framework, Project No: FP6-505593-1, 2004-2007), co-designer of the on-line image analysis & content-based automatic exposure control for medical radiological equipment, worked as associate research contractor with

[Research Academic Computer Technology Institute, Greece \(CTI\)](#)

and

[Informatics & Telecommunications Department, National Kapodistrian University of Athens, Greece \(DIT/NKUA-UoA\)](#)

, officially representing these two institutions throughout the entire I-ImaS project period.

[details:

[US7664227 \(summary\)](#)

/ download:

[US7664227 \(full text/pdf\)](#)

] --

<http://dx.doi.org/10.5281/zenodo.59594>

Journal Publications

Semantic-aware Aircraft Trajectory Prediction using Flight Plans H. Georgiou, N.

Pelekis, S. Sideridis, D. Scarlatti, Y. Theodoridis.

International Journal of Data Science Analytics (IJDSA), March 2019 ([doi:10.1007/s41060-019-00182-4](https://doi.org/10.1007/s41060-019-00182-4)). **Citizens'**

campaigns for environmental water monitoring: lessons from field experiments

Th. Assumpcao, A. Jonoski, I. Theona, C. Tsiakos, M. Krommyda, St. Tamascelli, A. Kallioras, M. Mierla, H. Georgiou, et.al.

IEEE Access – Special Section: Advanced Sensor Technologies on Water Monitoring and Modeling, Sept. 2019 ([doi:10.1109/ACCESS.2019.2939471](https://doi.org/10.1109/ACCESS.2019.2939471)). **A fully automated scheme**

for mammographic segmentation and classification based on breast density and asymmetries

S. Tzikopoulos,

M. Mavroforakis, H. Georgiou, N. Dimitropoulos, S. Theodoridis.

Computer Methods and Programs in Biomedicine, 102 (1) (2011), pp.47–63 ([doi:10.1016/j.cmpb.2010.11.016](https://doi.org/10.1016/j.cmpb.2010.11.016))

Characterization of the Components of a Prototype Scanning Intelligent Imaging System for Use in Digital Mammography: The I-ImaS System

Esbrand, C.J.; Arvanitis, C.D.; Pani, S.; Price, B.D.; Griffiths, J.A.; Metaxas, M.; Royle, G.J.; Noy, M.; Leaver, J.; Longo, R.; Rokvic, T.; Turchetta, R.; Georgiou, H.; Schulerud, H.; Speller, R.D.

IEEE Transactions on Nuclear Science, 56 (3) (2009), pp. 1419-1425 ([doi:10.1109/TNS.2009.2015762](https://doi.org/10.1109/TNS.2009.2015762)).

Subjective image quality of lateral cephalometric radiographs with and without applying a predicting model

G. Li,

J. Verheij, P.F. van der Stelt, R. Speller, J. Griffiths, M. Metaxas, G. Royle, F. Psomadellis, R. Turchetta, A. Fant, S. Theodoridis, H. Georgiou, G. Hall, J. Ostby, H. Schulerud, F. Triantis, N. Manthos, R. Longo, C. Venanzi.

Chinese Journal of Dental Research, [Vol.11, N.2, pp. 96-100, 2008](https://doi.org/10.1111/j.1600-0501.2008.00477.x) . (doi: ???). **Design and characterization of the I-ImaS multi-element x-ray detector system**

J.A. Griffiths, C. Venanzi, R.D. Speller, G.J. Royle, M.G. Metaxas, C. Esbrand, P.F. van der Stelt, G. Li, H. Verheij, R. Turchetta, A. Fant, P. Gasiorek, S. Theodoridis, H. Georgiou, D. Cavouras, G. Hall, M. Noy, J. Jones, J. Leaver, D. Machin, S. Greenwood, M. Khaleeq, J. Ostby, H. Schulerud, F. Triantis, A. Asimidis, D. Bolanakis, N. Manthos, R. Longo, A. Bergamaschi.

IEEE Transactions on Nuclear Science, 55 (3) (2008), pp. 827-832. ([doi:10.1109/TNS.2008.200477](https://doi.org/10.1109/TNS.2008.200477)).

Preliminary images from an adaptive imaging system

J.A. Griffiths, M.G. Metaxas, S. Pani, H. Schulerud, C. Esbrand, G.J. Royle, B. Price, T. Rokvic, R. Longo, A. Asimidis, E. Bletsas, D. Cavouras, A. Fant, P. Gasiorek, H. Georgiou, G. Hall, J. Jones, J. Leaver, G. Li, D. Machin, N. Manthos, J. Matheson, M. Noy, J.M. Ostby, F. Psomadellis, P.F. van der Stelt, S. Theodoridis, F. Triantis, R. Turchetta, C. Venanzi, R.D. Speller.

Physica Medica, Volume 24, Issue 2, June 2008, Pages 117-121. ([doi:10.1016/j.ejmp.2008.01.003](https://doi.org/10.1016/j.ejmp.2008.01.003)).

Multi-scaled Morphological Features for the Characterization of Mammographic Masses Using Statistical Classification Schemes

H. Georgiou, M. Mavroforakis, N. Dimitropoulos, D. Cavouras, S. Theodoridis

Artificial Intelligence in Medicine, 41 (1) (2007), pp.39-55. ([doi:10.1016/j.artmed.2007.06.004](https://doi.org/10.1016/j.artmed.2007.06.004)) 

download] CMOS Monolithic Active Pixel Sensors (MAPS): Developments and future outlook

R. Turchetta, A. Fant, P. Gasiorek, C. Esbrand, J.A. Griffiths, M.G. Metaxas, G.J. Royle, R. Speller, C. Venanzi, P.F. Van der Stelt, H. Verheij, G. Li, S. Theodoridis, H. Georgiou, D. Cavouras, G. Hall, M.Noy, J. Jones, J. Leaver, D. Machin, S. Greenwood, M. Khaleeq, H. Schulerud, J.M. Ostby, F. Triantis, A. Asimidis, D. Bolanakis, N. Manthos, R. Longo, A. Bergamaschi.

Nucl. Instr. Meth. Res. A, 582 (3)(2007) 866-870. ([doi:10.1016/j.nima.2007.07.112](https://doi.org/10.1016/j.nima.2007.07.112)) **I-IMAS: A**

Publications List

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Thursday, 10 September 2009 08:01 - Last Updated Monday, 09 September 2019 15:37

1.5D sensor for high resolution scanning

A. Fant, P. Gasiorek, R. Turchetta, B. Avset, A. Bergamaschi, D. Cavouras, I. Evangelou, M.J. French, A. Galbiati, H. Georgiou, G. Hall, G. Iles, J. Jones, R. Longo, N. Manthos, M.G. Metaxas, M. Noy, J.M. Ostby, F. Psomadellis, G.J. Royle, H. Schulerud, R.D. Speller, P.F. van der Stelt, S. Theodoridis, F. Triantis, C. Venanzi.


Nucl. Instr. Meth. Res. A, 573 (1-2)(2007) 27-29. ([doi:10.1016/j.nima.2006.10.389](https://doi.org/10.1016/j.nima.2006.10.389)) **Mammographic Masses Characterization, based on Localized Texture and Dataset Fractal Analysis, Using Linear, Neural and SVM Classifiers**

M. Mavroforakis, H. Georgiou, N. Dimitropoulos, D. Cavouras, S. Theodoridis

Artificial Intelligence in Medicine, Vol 37 (2) (2006) 145-162. ([doi:10.1016/j.artmed.2006.03.002](https://doi.org/10.1016/j.artmed.2006.03.002)) 

[download](#)] **Significance Analysis of Qualitative Mammographic Features Using Linear Classifiers, Neural Networks and Support Vector Machines** M. Mavroforakis, H.

Georgiou, N. Dimitropoulos, D. Cavouras, S. Theodoridis

European Journal of Radiology, 54 (2005) 80-89. ([doi:10.1016/j.ejrad.2004.12.015](https://doi.org/10.1016/j.ejrad.2004.12.015)) 
[download](#)]

Conference Publications

Online long-term trajectory prediction based on mined route patterns P. Petrou, P.


Tampakis, H. Georgiou, N. Pelekis, Y. Theodoridis.

2019 European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Database (ECML/PKDD'19), 16-20 Sept 2019 @ Wurzburg, Germany.

Preprint 

[download](#)] **ARGO: A Big Data Framework for Online Trajectory Prediction** P. Petrou, P. Nikitopoulos, P. Tampakis, A. Glenis, N. Koutroumanis, G. Santipantakis, K. Patroumpas, A. Vlachou, H. Georgiou, et.al.

16th International Symposium on Spatial and Temporal Databases (SSDT'19), 19-21 Aug 2019 @ Vienna, Austria.

Preprint 

[download](#)] **Semantic-aware Aircraft Trajectory Prediction using Flight Plans** H.

Georgiou, N. Pelekis, S. Sideridis, D. Scarlatti, Y. Theodoridis.

17th Hellenic Database Management Symposium (HDMS'19), 8-9 Jul 2019 @ Athens, Greece.

Presentation 

[download](#)] **Fractured Big Web – Stories from the field and how to make things work** H. Georgiou.

Network of networks Workshop (invited talk), Internet Society (ISOC) – Switzerland chapter, 19 Jun 2019 @ University of Zurich (UZH), Switzerland.

Presentation 

[download](#)] **Business Innovation in the Development of Big Data Toolboxes for the Management of Professional Vehicle Fleets** A. Koumparos, G. Koutalieris, C.

Doulkeridis, H. Georgiou, et.al.

10th Int. Conf. on Ambient Systems, Networks and Technologies (ANT'19), 29 April– 2 May 2019 @ Leuven, Belgium.

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Presentation 

[download](#)] **HRTA research involvement and feedback on extended USAR operations in the recent devastating events in Greece (flood in Mandra and wildfire in Mati**

H. Georgiou, A. Ntais, et. al. (HRTA)

[INACHUS Final Event / Workshop](#) (invited talk), 16 Oct 2018 @ Valabre, France.

Presentation 

[download](#)] **Data-driven AiRcraft Trajectory prediction research (DART)**G. Vouros, Y.


Theodoridis, N. Pelekis, H. Georgiou, et.al.

TIM / ART workshop on Machine Learning and Artificial Intelligence, 24-25 September 2018 @ EUROCONTROL Experimental Centre (EEC)

Preprint 

[download](#)] **Benchmarking Octave, R and Python platforms for code prototyping in Data Analytics and Machine Learning applications programming** H. Georgiou.

2018 Free & Open-Source Software Communities Meeting (FOSSCOMM 2018), 13-14 Oct 2018 @ Heraklion, Greece.

[Zenodo.org:10.5281/zenodo.1432789](https://zenodo.org/10.5281/zenodo.1432789) 

[summary](#), [presentation](#), [code](#)] **Data-driven Future Aircraft Trajectory Prediction**H.

Georgiou, N. Pelekis, Y. Theodoridis, G. Vouros.

8th International Conference on Research in Air Transportation (ICRAT'18), 26-29 June 2018 @ Barcelona, Spain.

Preprint 

[download](#)] **Increasing Maritime Situation Awareness via Trajectory Detection, Enrichment and Recognition of Events**

G. Vouros, A. Viachou, G. Santipantakis, G. Doulkeridis, N. Pelekis, H. Georgiou, Y. Theodoridis, K. Patroumpas, et.al.


Web and Wireless Geographical Information Systems (W2GIS), 21-22 May 2018 @ A Coruna, Spain.

Preprint 

[download](#)] **Big Data Analytics for Time Critical Mobility Forecasting: Recent Progress and Research Challenges**

G. Vouros, A. Vlachou, G. Santipantakis, C. Doulkeridis, N. Pelekis, H. Georgiou, et.al.

21st International Conference on Extending Database Technology (EDBT 2018), 28-30 Mar 2018 @ Vienna, Austria.

Preprint 

[download](#)] **DART: A Machine-Learning Approach to Trajectory Prediction and Demand-Capacity Balancing**

G. Vouros, N. Pelekis, Th. Kravaris, H. Georgiou, et.al.

7th SESAR Innovation Days (SIDs 2017), 28-30 Nov 2017 @ Belgrade, Serbia.

Preprint 

[download](#)] **GALENE: Online prediction of sea state and risk assessment for small boats as an open lightweight web SaaS**

H. Georgiou, P. Petrou, J. Kontoulis
2017 Free & Open-Source Software Communities Meeting (FOSSCOMM 2017), 4-5 Nov 2017 @ Athens, Greece.

[Zenodo.org:10.5281/zenodo.1045420](https://zenodo.org/10.5281/zenodo.1045420) 

[Presentation](#)] **Intrinsic dimension estimation of the fMRI space via sparsity-promoting matrix factorization.** H. Georgiou

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21st Panhellenic Conference in Informatics (PCI 2017), 28-30 Sept 2017 @ Larisa, Greece (ACM in ICPS Series - ISBN:978-1-4503-2138-9, DOI:10.1145/1235).

([Zenodo.org:10.5281.886519](https://zenodo.org/10.5281.886519)) 

[preprint](#)] **SCENT: Smart Toolbox for Engaging Citizens into a People-Centric Observation Web.** H. Georgiou, Th. Konstantakis, A. Amditis, A. Tsertou, et.al.

21st Panhellenic Conference in Informatics (PCI 2017), 28-30 Sept 2017 @ Larisa, Greece.



[abstract](#) / [presentation](#)] **SCENT: Smart Toolbox for Engaging Citizens into a People-Centric Observation Web.** H. Georgiou, Th. Konstantakis, A.

Amditis, A. Tsertou, et.al.

2017 SafeAthens: New technologies for Civil Protection services (SafeAthens 2017), 28-30 June 2017 @ Athens, Greece.



[abstract](#) / [poster](#)] **Refugee influx analysis for 'smart' early-warning systems for the rescue/relief operations in the first-reception islands (in Greek).**H.

Georgiou, I. Kiomourtzis, F. Alexakos

2016 SafeEvros: New technologies for Civil Protection services (SafeEvros 2016), 22-25 June 2016 @ Alexandroupolis, Greece.

<http://dx.doi.org/10.5281/zenodo.59728> / <http://dx.doi.org/10.5281/zenodo.59727>



[abstract](#) / [paper](#) / [presentation](#)] **Prometheus: The 'virtual' Emergency Operations Center for Chios & refugee influx data analytics.** S. Anastasiadis,

H. Georgiou

2015 Free & Open-Source Software Communities Meeting (FOSSCOMM 2016), 16-17 Apr 2016 @ Athens, Greece.

<http://dx.doi.org/10.5281/zenodo.59726> 

[download](#)] **#Sahana4Greece: A crowd-sourced 'virtual' EOC for supporting the rescue & relief operations in Greece for the refugees** H. Georgiou

2015 Free & Open-Source Software Communities Meeting (FOSSCOMM 2015), 6-8 Nov 2015 @ Athens, Greece.

<http://dx.doi.org/10.5281/zenodo.59725> 

[download](#)] **fMRI Unmixing Via Properly Adjusted Dictionary Learning** Y. Kopsinis, H.

Georgiou, S. Theodoridis

22nd European Signal Processing Conference (EUSIPCO 2014), 1-5 Sept 2014 @ Lisbon, Portugal.



[download](#)] **Quality Assessment of Rescaling Methodologies in Digital Mammographic Images of a Publicly Available Database (in Greek)** S. Tzikopoulos, M.

Mavroforakis, H. Georgiou, N. Dimitropoulos

38th Annual Greek Medical Conference 2012 (EPIS-38), 16-19 May 2012 @ Athens, Greece.



[summary](#)] **Algorithms for Image Analysis and Combination of Pattern Classifiers with Application in Medical Diagnosis** H. Georgiou

MSc in Biomed. Eng. (guest talk/seminar), 9 Jan 2012 @ Biomed. Eng. Unit, 1st Dept of Cardiology, Hippocraton, Sch. of Medicine (NKUA/UoA), Athens, Greece.

Publications List

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[summary](#)] **Original Open-Access Image Database of High-Quality Digital**

Mammographies for the Research Community (in Greek)

N. Dimitropoulos, H.

Mavroforakis, H. Georgiou, M. Mavroforakis, P. Bouboulis

2nd Panhellenic Conference in Oncological Imaging (PCOI), 9-11 Dec 2011 @ Athens, Greece.



[summary](#) /

[poster](#)] **DDSM Image Database Conversion and Assessment of Rescaling Methodologies**

(in Greek)

S. Tzikopoulos, M. Mavroforakis, H. Georgiou, N. Dimitropoulos

2nd Panhellenic Conference in Oncological Imaging (PCOI), 9-11 Dec 2011 @ Athens, Greece.



[summary](#) /

[poster](#)] **X-ray Simulation and Image Reconstruction Model for Digital Mammography (in**

Greek)

H. Georgiou, S. Tzikopoulos, M. Mavroforakis

2nd Panhellenic Conference in Oncological Imaging (PCOI), 9-11 Dec 2011 @ Athens, Greece.



[summary](#) /

[poster](#)] **MedSIP : Original Annotated Database of High-Quality Digital Mammographic**

Images Publicly Available to the Research Community (in Greek)

N.

Dimitropoulos, H. Georgiou, M. Mavroforakis, P. Bouboulis, H. Mavroforakis

37th Annual Greek Medical Conference 2011 (EPIS-37), 17-21 May 2011 @ Athens, Greece.



[abstract](#) /

[presentation](#) /

[poster 1](#) /

[poster 2](#)] **Shape-based tumor retrieval in mammograms using Relevance-Feedback**

techniques

S. Tzikopoulos, H. Georgiou, M. Mavroforakis, S. Theodoridis

20th International Conference on Artificial Neural Networks (ICANN-2010), 15-18 September

2010 @ Thessaloniki, Greece.

[download](#)] **A Fully Automated Scheme for Breast Density Estimation and Asymmetry**

Detection of Mammograms

Stylianios Tzikopoulos, Harris Georgiou, Michael

Mavroforakis, Sergios Theodoridis

17th European Signal Processing Conference (EUSIPCO-2009), 24-28 August 2009 @

Glasgow, Scotland.

[download](#)] **A Fully Automated Complete Segmentation Scheme for Mammograms**

Stylianios Tzikopoulos, Harris Georgiou, Michael Mavroforakis, Nikos Dimitropoulos, Sergios

Theodoridis

16th International Conference on Digital Signal Processing (DSP-2009), 5-7 July 2009 @

Santorini, Greece.

[download](#)] **Preliminary images from an adaptive imaging system**

R. Longo, M. Metaxas, C. Esbrand, S. Pani, H. Schulerud, T. Rokvic, A. Asimidis, E. Bletsas, D. Cavouras, A. Fant, P.

Gasiorek, H. Georgiou, J. Griffiths, G. Hall, J. Jones, J. Leaver, G. Li, D. Machin, N. Manthos, M.

Noy, J.M. Ostby, F. Psomadellis, G. Royle, R. Speller, P.F. van der Stelt, S. Theodoridis, F.

Triantis, R. Turchetta, C. Venanzi

Xth European Federation of Organisations for Medical Physics (EFOMP) Congress, First

European Conference on Medical Physics, 20-22 September 2007 @ Pisa, Italy. **Adaptive Image Content-based Exposure Control for Scanning Applications in Radiography**

H. Schulerud, J. Thielemann, T. Kirkhus, K. Kaspersen, J. Ostby, M. Metaxas, G. Royle, J. Griffiths, E. Cook, C. Esbrand, S. Pani, C. Venanzi, P. van der Stelt, G. Li, R. Turchetta, S. Theodoridis, H. Georgiou, G. Hall, M. Noy, J. Jones, F. Triantis, A. Asimidis, N. Manthos, F. Triantis, R. Longo, A. Bergamaschi, R. Speller

Advanced Concepts for Intelligent Vision Systems (ACIVS), August 28-31 2007 @ Delft University, Delft, the Netherlands. **I-ImaS: A 1.5D CMOS Image Sensor for X-ray Imaging**

R. Turchetta, A. Fant, P. Gasiorek, C. Esbrand, J. A. Griffiths, M. G. Metaxas, G. J. Royle, R. Speller, C. Venanzi, P. F. van der Stelt, H. Verheij, G. Li, S. Theodoridis, H. Georgiou, D. Cavouras, G. Hall, M. Noy, J. Jones, J. Leaver, D. Machin, S. Greenwood, M. haleeq, H. Schulerud, J. M. Ostby, F. Triantis, A. Asimidis, D. Bolanakis, N. Manthos, R. Longo, A. Bergamaschi

Proc. 2007 International Image Sensor Workshop (IIS'07), 573, pp.27-29, 7-10 June 2007 @ Ogunquit, Maine, USA. **A Scanning System For Intelligent Imaging: I-ImaSR.**

Longo, D. Cavouras, C. Esbrand, I. Evangelou, A. Fant, P. Gasiorek, H. Georgiou, G. Hall, J. Jones, J. Leaver, J. Griffiths, D. Machin, N. Manthos, M. Metaxas, M. Noy, J. M. Ostby, F. Psomadellis, T. Rokvic, G. Royle, H. Schulerud, R. Speller, P. F. van der Stelt, S. Theodoridis, F. Triantis, R. Turchetta, C. Venanzi.

SPIE Medical Imaging Conference, 17-22 February 2007 @ San Diego, California, USA. **Preliminary results from the I-ImaS project**

J. A. Griffiths, R. D. Speller, G. J. Royle, M. G. Metaxas, P. F. van der Stelt, G. Li, F. Psomadellis, K. Giannakakis, D. Zachariadis, R. Turchetta, A. Fant, P. Gasiorek, S. Theodoridis, H. Georgiou, D. Cavouras, T. Giannakopoulos, G. Hall, M. Noy, J. Jones, J. Leaver, D. Machin, J. Ostby, H. Schulerud, F. Triantis, A. Asimidis, D. Bolanakis, N. Manthos, R. Longo, C. Venanzi.

Proceedings of UK Radiological Congress, BJR Congress Series, 2006. **A Multi-Element Detector System For Intelligent Imaging: I-ImaS**

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