



*Bιογραφικό Σημείωμα  
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*Αναπληρωτής  
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ΗΜΜΥ ΕΛΜΕΠΑ*

Ο Κώστας Μαριάς είναι Αναπληρωτής Καθηγητής Επεξεργασίας Εικόνας στο τμήμα Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών του Ελληνικού Μεσογειακού Πανεπιστημίου (πρώην ΤΕΙ Κρήτης) και επικεφαλής του εργαστηρίου Υπολογιστικής Βιοιατρικής του Ινστιτούτου Πληροφορικής του Ιδρύματος Έρευνας και Τεχνολογίας (ITE). Κατά την περίοδο 2000-2002, εργάστηκε ως Ερευνητής στο Πανεπιστήμιο της Οξφόρδης ενώ το 2003-2006 ήταν Εντεταλμένος Ερευνητής και από το 2006-2017 Κύριος Ερευνητής στο Ινστιτούτο Πληροφορικής του ITE. Συντόνισε δύο ευρωπαϊκά έργα σχετικά με τη μοντελοποίηση του καρκίνου από απεικονιστικά δεδομένα (ContraCancrum και TUMOR), ενώ έχει συμμετάσχει ενεργά σε πολλά ερευνητικά έργα για την ανάπτυξη ιατρικών τεχνολογιών πληροφοριών και επικοινωνίας (ΤΠΕ) με έμφαση την επεξεργασίας ιατρικής εικόνας στην εξατομικευμένη ιατρική. Συντόνισε την ανάπτυξη ενός ευρέος φάσματος υπολογιστικών εργαλείων σχεδιασμένων για το κλινικό περιβάλλον στο πλαίσιο της ευρύτερης πρωτοβουλίας της Ευρωπαϊκής Επιτροπής “Virtual Physiological Human” (VPH). Παράλληλα έχει δημοσιεύσει περισσότερα από 200 άρθρα σε διεθνή επιστημονικά περιοδικά, βιβλία και πρακτικά συνεδρίων εστιάζοντας στην επεξεργασία ιατρικής εικόνας και στην ανάπτυξη τεχνολογιών πληροφορικής για προσωποποιημένη ιατρική.

## ΠΕΡΙΕΧΟΜΕΝΑ

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## ΠΡΟΣΩΠΙΚΑ ΣΤΟΙΧΕΙΑ

Όναμα	Κώστας Μαριάς
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## ΠΑΝΕΠΙΣΤΗΜΙΑΚΗ ΕΚΠΑΙΔΕΥΣΗ

1997 - 2001	<i>Διδακτορικό:</i> PhD in Medical Image Analysis and Medical Physics, UCL Royal Free & University College Medical School / University of Oxford, UK. <i>Επιβλέπων:</i> Professor Sir Michael Brady FRS FREng, Professor of Information Engineering, Oxford University.
1996- 1997	<i>Μεταπτυχιακό:</i> M.Sc in Engineering and Physical Sciences in Medicine Imperial College of Science, Technology and Medicine, Department of Bioengineering, UK
1990-1995	<i>Πτυχίο:</i> Ηλεκτρολόγου Μηχ. και Μηχ. Υπολογιστών Εθνικό Μετσόβιο Πολυτεχνείο, Αθήνα, Ελλάδα

## ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ

2017 -	Αναπληρωτής Καθηγητής Επεξεργασίας Εικόνας, τμήμα Μηχανικών Πληροφορικής, Τεχνολογικό Εκπαιδευτικό Ίδρυμα (TEI) Κρήτης
2010 -	Επικεφαλής Εργαστηρίου Υπολογιστικής Ιατρικής, Ινστιτούτο Πληροφορικής (ΙΠ), Ίδρυμα Τεχνολογίας και Έρευνας (ΙΤΕ).
2006 - 2017	Κύριος Ερευνητής Β', Ινστιτούτο Πληροφορικής (ΙΠ), Ίδρυμα Τεχνολογίας και Έρευνας (ΙΤΕ).
2003 - 2006	Εντεταλμένος Ερευνητής Γ', Ινστιτούτο Πληροφορικής (ΙΠ), Ίδρυμα Τεχνολογίας και Έρευνας (ΙΤΕ).
2000 -2002	Μεταδιδακτορικός Ερευνητής, Oxford University, Information Engineering Department, Wolfson Medical Vision Laboratory, Oxford UK.
2015 - 2017	Επισκέπτης Καθηγητής, TEI Κρήτης.
2003 - 2010	Επισκέπτης Καθηγητής, Πανεπιστήμιο Κρήτης.
2005 - 2017	Μέλος του διατμηματικού μεταπτυχιακού προγράμματος "Brain and Mind", Πανεπιστήμιο Κρήτης
2000 – 2002	Επιστημονικός σύμβουλος, Mirada Solutions Ltd. (UK), τεχνοβλαστός του Πανεπιστημίου University of Oxford.

## ΔΙΟΙΚΗΤΙΚΗ ΕΜΠΕΙΡΙΑ

- 2019- Αναπληρωτής Πρόεδρος, τμήμα Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών, Ελληνικό Μεσογειακό Πανεπιστήμιο
- 2017- Μέλος επιτροπής μεταπτυχιακών σπουδών, MSc in Informatics and Multimedia, Τμήμα Μηχανικών Πληροφορικής, TEI Κρήτης..
- 2017 - Γραμματέας του the IEEE Engineering in Medicine and Biology Society (EMBS) Greece.
- 2010 - 2017 Μέλος του Επιστημονικού Συμβουλίου του Ινστιτούτου Πληροφορικής (ΙΠ) του Ιδρύματος Τεχνολογίας και Έρευνας (ITE).
- 2015 – 2017 Μέλος της διατμηματικής επιτροπής του μεταπτυχιακού προγράμματος "Brain and Mind" (Παν. Κρήτης, ITE, Ιατρική/ΠΑΓΝΗ, Ηράκλειο).
- 2014 - 2018 Μέλος της Επιτροπής Βιοηθικής του Ιδρύματος Τεχνολογίας και Έρευνας (ITE).
- 2015 - 2017 Μέλος της επιτροπής ιατρικού τουρισμού, Περιφέρεια Κρήτης.

## ΑΚΑΔΗΜΑΪΚΗ ΠΡΟΣΦΟΡΑ

Αντιπρόσωπος του ITE στο Virtual Physiological Human Institute for Integrative Biomedical Research (VPH Institute) <http://www.vph-institute.org/>

Γενικός Συντονιστής των Ευρωπαϊκών Έργων EC Project *Clinically Oriented Translational Cancer Multilevel Modelling* (2008-2011 Contra Cancrum FP7 223979) και *Transatlantic Tumour Model Repositories* (2010-2013TUMOR FP7 247754)

Αντιπρόσωπος για την Ευρωπαϊκή Επιτροπή (DG INFSO) στο EC- US Workshop on Virtual Tissues (22-24 April 2009), που έγινε στο EPA North Carolina (US: EPA, DoE, NSF, NIH EC: DG Research Dir. F, DG INFSO)

Κριτής σε περιοδικά: Medical Image Analysis, IEEE Transactions on Medical Imaging, Cancer Informatics, IEEE Transactions on Image Processing, IEEE Transactions on Biomedical Engineering, IEEE Transactions on Information Technology in Biomedicine, Journal of Computer-Assisted Radiology and Surgery.

Συμμετοχή σε Οργανωτικές επιτροπές συνεδρίων: International Advanced Research Workshop on In Silico Oncology conference, IEEE IST, IEEE BIBE, Special Sessions συνεδρίων όπως IEEE EMBC, IEEE BIBE και MobiHealth.

Προέδρευσε σε συνέδρια όπως τα IEEE ISBI, IEEE EMBC, BIBE, and ISBMDA, eHealth Forum 2015-2018. Πρόσφατα ήταν general co-chair στο EAI International Conference on Personal, Pervasive and mobile Health, June 14-15, 2016 Budapest, Hungary ([ppmhealth.org](http://ppmhealth.org)), και στην οργανωτική επιτροπή του IST 2016 (2016 IEEE International Conference on Imaging Systems and Techniques <http://ist2016.ieee-ims.org>).

Οργάνωση του «First summer school on computation oncology» και συνδιοργανωτής του δεύτερου (<http://www.computationaloncology.org>)

## ΥΠΟΤΡΟΦΙΕΣ PHD AND POST-DOC

1997-2001	<i>Υποτροφία Διδακτορικού:</i> UCL Fellow at Oxford (PhD grant, full scholarship jointly from Oxford University and UCL, London)
2001-2004	<i>Υποτροφία Μεταδιδακτορικού:</i> Cancer Research UK Postdoc Grant, CRC-SP2580/0101, total funds awarded £139,091.00, titled: "A quantitative assessment of dense breast tissue changes"

## AFFILIATIONS

- 2003 - IEEE Member, Engineering in Medicine and Biology (IEEE) – USA  
 2005 - 2010 Academy of Molecular Imaging – USA (Sponsored by UCLA)

## ΣΥΝΤΑΚΤΗΣ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ

- 2016 - Μέλος της συντακτικής επιτροπής (editorial board) Journal of Computational and Mathematical Methods in Medicine  
<https://www.hindawi.com/journals/cmmm/editors/>
- 2018 - Αναπληρωτής Εκδότης (Associate Editor) IET Image Processing  
<http://digital-library.theiet.org/journals/iet-ipr/editorial-board>

## ΠΡΟΣΚΕΚΛΗΜΕΝΕΣ ΟΜΙΛΙΕΣ

- Model-Based, Quantitative MRI Image Analysis and Machine Learning in Rectal Cancer, Invited talk, 8<sup>th</sup> Colorectal Games Symposium, Heraklion, 2018.
- Predicting Effective Adaptation to Breast Cancer to Help Women to Bounce Back, Invited talk eHealth Forum 2017 (<https://www.dhealth.gr/>) Digital Health Conference, 19-22 October | Athens, [https://www.youtube.com/watch?v=m\\_DCeAU6eDM](https://www.youtube.com/watch?v=m_DCeAU6eDM)
- The iManageCancer personal health record. Invited talk at eHealth Forum, Promoting digital Health Integration for Equal Access and Sustainable Future, 2016. <http://www.ehealthforum.org/el/ehealth-forum-2016/>
- Novel personal health systems for patient empowerment. Invited talk at eHealth Forum 2015, <http://www.2015.ehealthforum.org/>
- Personal Health Systems for Patient Self-management and Empowerment technologies. Invited talk in the 10th National Conference for Health Management and Policy, Athens 18-20 December, 2014
- Computational Models and medical image analysis tools for optimizing personalized predictions of therapy outcome in cancer patients. Keynote invited talk in the 19th Hellenic Conference of Clinical Oncology, April 27 2013.
- Multi-level clinically oriented modelling in cancer research. Invited talk in the US Environmental Protection Agency, Computational Toxicology Research Program, April 21, 2009.

## ΕΠΙΣΤΗΜΟΝΙΚΑ ΕΝΔΙΑΦΕΡΟΝΤΑ

<b>ΕΠΕΞΕΡΓΑΣΙΑ ΚΑΙ ΑΝΑΛΥΣΗ ΙΑΤΡΙΚΗΣ ΕΙΚΟΝΑΣ</b>	Image Registration and Fusion Quantitative Image Analysis Image Classification and Segmentation Image Retrieval Image Reconstruction Image Visualisation and Analysis Image-based Biomarkers Microarray image processing Image Shape Analysis
<b>ΥΠΟΛΟΓΙΣΤΙΚΗ ΙΑΤΡΙΚΗ</b>	Image-Based Macroscopic Cancer Modelling Computational Model Interoperability Microscopic Cancer Modelling In Silico Clinical Trials
<b>ΣΥΣΤΗΜΑΤΑ ΠΡΟΣΩΠΙΚΗΣ ΥΓΕΙΑΣ</b>	Personal Health Record Systems Patient Empowerment Services Diabetes Self-Management and Risk Assessment Stress Recognition Personal Systems Heart-Rate monitoring Telemedicine and smart networking systems

## ΕΡΕΥΝΗΤΙΚΑ ΕΡΓΑ 2006-2017

Στον παρακάτω πίνακα αναφέρονται τα ερευνητικά έργα που έχει συμμετάσχει ο Κώστας Μαριάς με ρόλο ως Project Coordinator of the Consortium (PC), Technical Coordinator of the Project (TC), the Principal Investigator (PI), ή CO-PI (active participation next to the PI).

Όνομα Έργου	Ακρώνυμο	Έναρξη	Λήξη	Προυπόλο γιασμός	Ρόλος
Advancing Clinico-Genomic Clinical Trials on Cancer: Open Grid Services for Improving Medical Knowledge Discovery <a href="http://eu-acgt.org/">http://eu-acgt.org/</a>	ACGT	01/02/2006	31/01/2010	1.276.200 €	CO-PI
Clinically Oriented Translational Cancer Multilevel Modelling <a href="http://www.contracancrum.eu/">http://www.contracancrum.eu/</a>	Contra Cancrum	1/08/2008	31/07/2011	651.920 €	Project Coordinator
Transatlantic TUmour MOdel Repositories	TUMOUR	1/4/2010	31/3/2013	396.220 €	Project Coordinator
Driving Excellence in Integrative Cancer Research through Innovative Biomedical Infrastructures	INTEGRATE	1/2/2011	31/1/2014	818.300 €	CO-PI
Development of a research infrastructure for computational oncology	ΥΠΕΡΘΕΝ <sup>1</sup>	24/6/2011	23/6/2013	359.725 €	CO-PI
From data sharing and integration via VPH models to personalized medicine	p-Medicine	1/2/2011	31/1/2015	1.242.435 €	CO-PI
Enabling information re-Use by linking clinical REsearch and	EURECA	1/1/2012	31/12/2014	865.536 €	CO-PI

<sup>1</sup> Ανάπτυξη ερευνητικής υποδομής κλινικών υπολογιστικών εργαλείων και υπηρεσιών για την καλύτερη διάγνωση και εκτίμηση της βέλτιστης εξατομικευμένης θεραπείας ογκολογικών παθήσεων

## CAre

A Demonstration of 4D Digital Avatar Infrastructure for Access of Complete Patient Information	MyHealth Avatar	1/3/2013	29/2/2016	361.400 €	PI
Computational Horizons in Cancer: Developing Meta- and Hyper-Multiscale Models and Repositories for In Silico Oncology	CHIC	1/4/2013	31/3/2017	888.106 €	PI
Development of Interdisciplinary Research Activities for Systems Biology	ΚΡΗΠΙΣ-ΒΙΟΣΥΣ <sup>2</sup>	1/7/2013	30/7/2015	70.000 €	PI
Regional Anaesthesia Simulator and Assistant	RASimAS	1/11/2013	31/10/2016	227.757 €	PI
Multi-channel biometrics combining acoustic and machine vision analysis of speech, lip movement and face	SpeechXRays	1/05/2015	30/4/2018	303.750 €	CO-PI
iManageCancer - Empowering patients and strengthening self-management in cancer diseases (HORIZON2020)	iManage Cancer	1/2/2015	1/7/2018	747.500	PI,TC
Predicting Effective Adaptation to Breast Cancer to Help Women to BOUNCE Back (HORIZON2020)	BOUNCE	1/11/2017	31/10/2021	726.875	CO-PI
An intelligent, deep learning enhanced multimedia stock for multimodal automated indexing, storage, searching and retrieval	IDELEMUS	2018	2021	349.500	CO-PI

<sup>2</sup> Ανάπτυξη Διεπιστημονικών Ερευνητικών Δραστηριοτήτων στην Κατεύθυνση της Βιολογίας Συστημάτων

HARMONIzation and integrative analysis of regional, national and international Cohorts on primary Sjögren's Syndrome (pSS) towards improved stratification, treatment and health policy making	HarmonicSS (HORIZON2020) TEI CRETE	2018	2021	215.000	CO-PI
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## ΔΗΜΟΣΙΕΥΣΕΙΣ

## ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ

1. Behrenbruch, C.P., **Marias, K.**, Armitage, P.A., Yam, M., Moore, N.R., English, R.E., Clarke, J., & Brady, M.J. (2003). *Fusion of contrast-enhanced breast MR and mammographic imaging data*. **Medical image analysis**. 7(3), (311-340), England (1361-8415; 1361-8415). **IF 4.087**
2. Behrenbruch, C.P., **Marias, K.**, Armitage, P.A., Yam, M., Moore, N.R., English, R.E., Clarke, P.J., Leong, F.J., & Brady, M.J. (2004). *Fusion of contrast-enhanced breast MR and mammographic imaging data*. **The British journal of radiology**. 77 Spec No 2, (S201-8), England (0007-1285; 0007-1285). **IF 1.217**
3. **Marias, K.**, Behrenbruch, C.P., Highnam, R., Parbhoo, S., Seifalian, A., & Brady, M.J. (2004). *A mammographic image analysis method to detect and measure changes in breast density*. **Eur.J.Radiol.**. 52(3), (276-282), (0720048X). **IF 2.645**
4. **Marias, K.**, Ripoll, J., Meyer, H., Ntziachristos, V., & Orphanoudakis, S.C. (2005). *Image analysis for assessing molecular activity changes in time-dependent geometries*. **IEEE Trans.Med.Imaging**. 24(7), (894-900), (02780062). **IF 4.027**
5. **Marias, K.**, Behrenbruch, C.P., Parbhoo, S., Seifalian, A., & Brady, M.J. (2005). *A registration framework for the comparison of mammogram sequences*. **IEEE Trans.Med.Imaging**. 24(6), (782-790), (02780062). **IF 4.027**
6. Linguraru, M.G., **Marias, K.**, English, R.E., & Brady, M.J. (2006). *A biologically inspired algorithm for microcalcification cluster detection*. **Med.Image Anal.**. 10(6), (850-862), (13618415). **IF 4.087**
7. Dimitriadis, S., **Marias, K.**, & Orphanoudakis, S.C. (2007). *A multi-agent platform for content-based image retrieval*. **Multimedia Tools Appl.**. 33(1), (57-72), Hingham, MA, USA: Kluwer Academic Publishers (1380-7501). **IF 1.346**
8. Darrell, A., Meyer, H., **Marias, K.**, Brady, M.J., & Ripoll, J. (2008). *Weighted filtered backprojection for quantitative fluorescence optical projection tomography*. **Phys.Med.Biol.**. 53(14), (3863-3881), (00319155). **IF 2.781 - highest for any journal focused on medical physics**.
9. Farmaki, C., **Marias, K.**, Sakkalis, V., & Graf, N. (2010). *Spatially adaptive active contours: A semi-automatic tumor segmentation technique*. **International journal of computer assisted radiology and surgery** . 5(4), (369-84). **IF 1.364**
10. Skounakis, E., Farmaki, C., Sakkalis, V., Roniotis, A., Banitsas, K., Graf, N., & **Marias, K.** (2010). *DoctorEye: A clinically driven multifunctional platform, for accurate processing of tumors in medical images*. Special Issue: *Intelligent signal and image processing in eHealth*. **The Open Medical Informatics Journal**. 4, (105-115).
11. Roniotis, A., **Marias, K.**, Sakkalis, V., & Zervakis, M.E. (2010). *Diffusive Modelling of Glioma Evolution: A review*. **Journal of Biomedical Science and Engineering, Scientific Research**. 3(5), (501-508).

12. Roniotis, A., Manikis, G., Sakkalis, V., Zervakis, M.E., Karatzanis, I., & **Marias, K.** (2011). *High grade glioma diffusive modeling using statistical tissue information and diffusion tensors extracted from atlases*. *IEEE Transactions on Information Technology in Biomedicine*. 16(2), (255-263). **IF 2.072**
13. **Marias, K.**, Dionysiou, D.D., Sakkalis, V., Graf, N., Bohle, R., Coveney, P.V., Wan, S., Folarin, A., Büchler, P., Reyes, M., Clapworthy, G., Liu, E., Sabczynski, J., Bily, T., Roniotis, A., & Tsiknakis, M.N. (2011). *Clinically-Driven Design of Multiscale Cancer Models: the Contra Cancrum Project Paradigm*. *J. R. Soc Interface Focus*. 1, (450-461). **IF 3.856**
14. Alexandros Roniotis, **Kostas Marias**, Vangelis Sakkalis, Georgios C. Manikis, and Michalis Zervakis, "Simulating Radiotherapy Effect in High-Grade Glioma by Using Diffusive Modeling and Brain Atlases," *Journal of Biomedicine and Biotechnology*, vol. 2012, Article ID 715812, 9 pages, 2012. doi:10.1155/2012/715812. **IF 2.706**
15. Roniotis, A., Sakkalis, V., Karatzanis, I., Zervakis, M.E., & **Marias, K.** (2012). *In-depth analysis and evaluation of diffusive glioma models*. *IEEE Transactions on Information Technology in Biomedicine*. 2012. 16(3), (299-307). **IF 2.072**
16. Georgios Stamatakos, Dimitra Dionysiou, Aran Lunzer, Robert Belleman, Eleni Kolokotroni, Eleni Georgiadi, Marius Erdt, Juliusz Pukacki, Stefan Rueping, Stavroula Giatili, Alberto d'Onofrio, Stelios Sfakianakis, **Kostas Marias**, Christine Desmedt, Manolis Tsiknakis, Norbert Graf. (2013). *The Technologically Integrated Oncosimulator: Combining Multiscale Cancer Modeling with Information Technology in the In Silico Oncology Context*. *IEEE journal of biomedical and health informatics*. 18(3):840-54. DOI:10.1109/JBHI.2013.2284276. **IF 2.706**
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**ΕΠΙΒΛΕΨΗ ΔΙΔΑΚΤΟΡΙΚΩΝ ΔΙΑΤΡΙΒΩΝ – ΣΥΜΜΕΤΟΧΗ ΣΕ ΤΡΙΜΕΛΕΙΣ**

- 2016-** *Αναστασία Πεντάρη*, PhD τίτλος: “Optimal reconstruction of Diffusion-Weighted MRI signal and Dynamic Contrast-Enhanced MRI study with Compressed Sensing Techniques”, συνεπίβλεψη με Καθ. Π. Τσακαλίδη, Τμήμα Επιστήμης Υπολογιστών, Πανεπιστήμιο Κρήτης.
- 2015-** *Γιώργος Ιωαννίδης*, PhD τίτλος: “Qualitative evaluation of perfusion studies with non-ionizing (MRI) and low dose radiation (CT) protocols”, συνεπίβλεψη με Καθ. Κ. Περισυνάκη, Τμήμα Ιατρικής, Πανεπιστήμιο Κρήτης.
- 2015-** *Κωνσταντίνος Σπανάκης*, PhD τίτλος: “Information theory and its application to image alignment”, συνεπίβλεψη με Καθ. Ε. Μαθιουδάκη, Σχολή Μηχανικών Ορυκτών Πόρων, Πολυτεχνείο Κρήτης.
- 2016-** *Κατερίνα Νικηφοράκη*, PhD τίτλος: “Multi Parametric MR Imaging of Soft Tissue Sarcomas”, συνεπίβλεψη με Καθ. Α. Καραντάνα, Τμήμα Ιατρικής, Πανεπιστήμιο Κρήτης.
- 2015 -** *Ειρήνη Γενιτσαρίδη*, PhD τίτλος: “Temporal Probabilistic Reasoning on Longitudinal Patient Trajectories to enhance Outcome Prediction and Decision Making: A Recommendation System applied in Rheumatoid Arthritis Treatment.”, συνεπίβλεψη με Καθ. Π. Σιδηρόπουλο, Τμήμα Ιατρικής, Πανεπιστήμιο Κρήτης και Καθ. Δ. Πλεξουσάκη, Τμήμα Επιστήμης Υπολογιστών, Πανεπιστήμιο Κρήτης.
- 2014 - 2019** *Μαρία Βενιανάκη*, PhD τίτλος: “Cancer tissue classification from DCE-MRI data using pattern recognition techniques”, IMT School for advance studies, Lucca, Italy (συνεπίβλεψη με Καθ. Ovidio Salvetti).
- 2014- 2020** *Γιώργος Καλαιτζάκης*, PhD τίτλος: “Quantitative T2\* MRI image analysis algorithms”, University of Crete Medical School.
- 2014 -** *Γιώργος Μανίκης*, PhD τίτλος: “Novel MRI imaging techniques and analysis of articular cartilage and bone marrow oedema in the knee joint and MRI markers-based modelling”, συνεπίβλεψη με Καθ. Α. Καραντάνα, Τμήμα Ιατρικής, Πανεπιστήμιο Κρήτης.
- 2014 - 2019** *Αναστασία Παμπουχίδου*, τίτλος: Clinically-driven Facial Image Analysis for Emotion Recognition, co-supervision with Prof. Mériaudou Fabrice Université de Bourgogne
- 2014 - 2017** *Carlos Hernandez Matas*, τίτλος: Retinal image registration through 3D eye modelling and pose estimation, Τμήμα Επιστήμης Υπολογιστών, Πανεπιστήμιο Κρήτης (Μέλος τριμελούς PhD με Καθ. Α. Αργυρό). <https://www.didaktorika.gr/eadd/handle/10442/42160>
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- 2005 -2009** *Alex Darrell*, PhD in Molecular Image Analysis (συνεπίβλεψη με Καθ. Mike Brady University of Oxford)

## **ΕΠΙΒΛΕΨΗ ΜΕΤΑΠΤΥΧΙΑΚΩΝ ΔΙΑΤΡΙΒΩΝ**

- 2019 -** Δημήτρης Θεοδωροπουλος, MSc in Informatics and Multimedia, Τμήμα Μηχανικών Πληροφορικής, ΤΕΙ Κρήτης.
- 2017 -2018** Ελευθέριος Τριβιζάκης, MSc in Informatics and Multimedia, Τμήμα Μηχανικών Πληροφορικής, ΤΕΙ Κρήτης.
- 2017 -** Κωνσταντίνος Τζαγκαράκης, MSc in Informatics and Multimedia, Τμήμα Μηχανικών Πληροφορικής, ΤΕΙ Κρήτης.
- 2015 – 2016** Ιωσήφ Σεραφειμήδης, “Texture Analysis on DCE-MR and DW-MR Images”, MSc in Informatics and Multimedia, Τμήμα Μηχανικών Πληροφορικής, ΤΕΙ Κρήτης.
- 2013-2015** Γιώργος Ιωαννίδης, “Diffusion Magnetic Resonance Imaging Techniques: Applications in Brain and Human Body” MSc Τμήμα Εφαρμοσμένων Μαθηματικών, Πανεπιστήμιο Κρήτης.
- 2013 – 2015** Γεωργία Κανλή, MSc in Computational Physics at SU & KTH, Sweden (Εργάστηκε στο ITE υπό την επίβλεψη του Κ. Μαριά)
- <https://www.diva-portal.org/smash/get/diva2:808454/FULLTEXT01.pdf>
- 2013- 2015** Μαριλένα Ωραιοπούλου, Brain and Mind MSc Program, University of Crete Τίτλος: “Magnetic Resonance Imaging in Human Brain Cancers”.
- 2011-2013** Κωνσταντίνος Σπανάκης, MSc Πολυτεχνείο Κρήτης. Τίτλος: “Numerical modeling of tumor growth using level set method”.
- 2005 - 2007** Χαρά Στεφάνου, MSc Τμήμα Επιστήμης Υπολογιστών, Παν. Κρήτης (με Καθ. Π.Τσακαλίδη).
- 2004 - 2005** Ελευθέριος Γαρυφαλίδης, Brain and Mind MSc Program, Πανεπιστήμιο Κρήτης.
- 2003 - 2005** Σωκράτης Δημητριάδης, MSc Τμήμα Επιστήμης Υπολογιστών, Παν. Κρήτης (με Καθ. Σ. Ορφανουδάκη)
- 2003 - 2004** Ιωάννης Μουστάκας, MSc Τμήμα Επιστήμης Υπολογιστών, Παν. Κρήτης (με Καθ. Σ. Ορφανουδάκη).

## **ΕΠΙΒΛΕΨΗ ΠΤΥΧΙΑΚΩΝ ΕΡΓΑΣΙΩΝ**

- 2018 -2020** Ηρακλής Σκεπασιανός, “*Texture Kinetics and Multiscale texture analysis for predicting breast cancer treatment response*”, Τμήμα Μηχανικών Πληροφορικής, ΤΕΙ Κρήτης.
- 2018 - 2019** Στέφανος Γκίκας, “*Identity verification by combining video, image and sound*”, Τμήμα Μηχανικών Πληροφορικής, ΤΕΙ Κρήτης.
- 2018 -2019** Αθαντίλ Δημητριάδης, “*Identity verification by combining video, image and sound*”, Τμήμα Μηχανικών Πληροφορικής, ΤΕΙ Κρήτης.

**2018 -2019** Βασίλης Μελισιανός, “*Bag of words techniques for differentiating tissue classes in medical images*”, Τμήμα Μηχανικών Πληροφορικής, ΤΕΙ Κρήτης.



## ΔΙΔΑΚΤΙΚΟ ΕΡΓΟ

**Μάθημα: Ιατρική Απεικόνιση (Διδάσκων)**

2004-2008: Τμήμα Επιστήμης Υπολογιστών (HY-571)

2005-2017: Brain and Mind (Interdisciplinary MSc course)

<http://www.csd.uoc.gr/~hy571/>

**Μάθημα: Εισαγωγή Στη Βιοιατρική Τεχνολογία & Στην Ανάλυση Ιατρικών Σημάτων (Διδάσκων)**

2004-2008: Τμήμα Επιστήμης Υπολογιστών (HY-528)

2005-2017: Brain and Mind (Interdisciplinary MSc course)

<http://www.csd.uoc.gr/~hy528/>

**Μάθημα: Βιοπληροφορική και προσομοίωση φυσιολογικών συστημάτων (Διδάσκων)**

2015-2017: Τμήμα Μηχανικών Πληροφορικής, ΤΕΙ Κρήτης (ΤΠ60Λ4)

<https://www.teicrete.gr/ie/el/μάθημα/βιοπληροφορική-και-προσομοίωση-φυσιολογικών-συστημάτων>

**Μάθημα: Ψηφιακή Επεξεργασία Εικόνας (Διδάσκων)**

2016-: Τμήμα Μηχανικών Πληροφορικής, ΤΕΙ Κρήτης (ΤΠ15ΟΥ2)

<https://www.teicrete.gr/ie/el/μάθημα/ψηφιακή-επεξεργασία-εικόνας>

**Μάθημα: Advances in Digital Imaging and Computer Vision (Διδάσκων)**

2016-: Technological Institute of Crete

MSc in Informatics and Multimedia, Τμήμα Μηχανικών Πληροφορικής, ΤΕΙ Κρήτης

<https://www.teicrete.gr/mscie/en/department-informatics-engineering/μάθημα/advances-digital-imaging-and-computer-vision>

**Μάθημα: Τεχνητή Όραση (Διδάσκων)**

**2016-: Τμήμα Μηχανικών Πληροφορικής, ΤΕΙ Κρήτης (ΤΠ7ΟΥ2)**

<https://www.teicrete.gr/ie/el/μάθημα/τεχνητή-όραση>

**Μάθημα: Εισαγωγή Στα Βιοιατρικά Σήματα και Εφαρμογές**

**2018-: Τμήμα Μηχανικών Πληροφορικής, ΤΕΙ Κρήτης (ΤΠ6ΟΥ7)**

<https://www.teicrete.gr/ie/el/μάθημα/εισαγωγή-στα-βιοιατρικά-σήματα-και-εφαρμογές>

## ΠΑΤΕΝΤΕΣ

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**US 20160139226 A1**

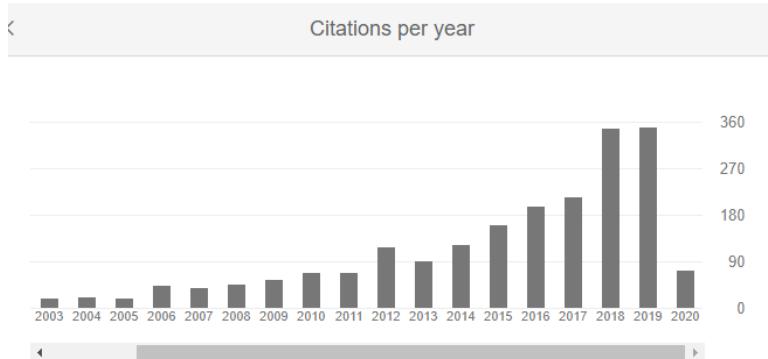
<https://www.google.com/patents/US20160139226>

## ΒΙΒΛΙΟΜΕΤΡΙΚΑ ΔΕΟΜΕΝΑ / ΑΝΑΦΟΡΕΣ

### GOOGLE SCHOLAR DATA FOR KOSTAS MARIAS

Webpage: [https://scholar.google.gr/citations?hl=en&user=2Lx7a7QAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.gr/citations?hl=en&user=2Lx7a7QAAAAJ&view_op=list_works&sortby=pubdate)

Citation indices	All	Since 2015
Citations	2115	1346
h-index	25	20
i10-index	72	45



Last Update April 2018

### RESEARCH GATE DATA FOR KOSTAS MARIAS

Webpage: [https://www.researchgate.net/profile/Kostas\\_Marias](https://www.researchgate.net/profile/Kostas_Marias)

**RG Score: 35.39**

**RG Reach: 32,877 reads**