# Manolis Tsiknakis, Ph.D.

## *Curriculum Vitae*

**Born:** March 10, 1959
**Citizenship:** Greek
**Marital Status:** Married, 2 children

## TEI Crete Address

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## FORTH Address

Computational Medicine Laboratory
Institute of Computer Science
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## Home Address

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Telephone: +30 2810 316252

## Education

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| 1985-1989 | Ph.D. in Signal Processing and Intelligent Systems, University of Bradford, UK.<br>***Title of Thesis:*** *An Intelligent Electromagnetic Flowmeter Based on Novel Excitation Waveforms and Advanced Signal Processing* |
| 1983-1984 | Master of Science (M.Sc.) in Microprocessor Engineering, School of Electric and Electronic Engineering, University of Bradford, UK.<br>***Title of Master Thesis:*** *A Disk Drive Controller for the VME bus* |
| 1979-1983 | Batchelor of Engineering (B.Eng.) in Electric and Electronic Engineering, University of Bradford, UK. |

## Research Interests

His current research interests include biomedical informatics and engineering; service oriented SW architectures and their application in biomedicine; affective computing; approaches for semantic health data integration; smart eHealth and mHealth service platforms. Dr Tsiknakis continues to show a strong interest on issues related to managing technological change and socio-economic aspects of e-business in general and eHealth technologies and services in specific.

## Academic Positions

Feb 12 - present     Associate Professor of Biomedical Informatics and eHealth, Technological Educational Institute of Crete.

## Research Appointments

Feb 12 - present     Visiting Research Professor, Computational Medicine Laboratory, Institute of Computer Science, Foundation for Research and Technology-Hellas (ICS-FORTH), Heraklion, Crete, Greece.

Aug. 02-Jan 12     Principal Researcher - Institute of Computer Science, Foundation for Research and Technology-Hellas (ICS-FORTH), Heraklion, Crete, Greece.

Aug. 99-July 02     Associate Researcher - Institute of Computer Science, Foundation for Research and Technology-Hellas (ICS-FORTH), Heraklion, Crete, Greece.

Feb.92 -July 99     Associated Scientist – Institute of Computer Science, Foundation for Research and Technology-Hellas (ICS-FORTH), Heraklion, Crete, Greece.

Feb.92-Jul. 94     Affiliated Research Scientist, Institute of Computer Science, Foundation for Research and Technology-Hellas, Heraklion, Crete, Greece.

1987-1990     Research Fellow with academic responsibilities, School of Control Engineering, University of Bradford, Bradford, UK. Taught the subjects of *Digital Signal Processing, Measurement and Control, Computer Systems for Real Time Control* at the MSc course of Control Systems Engineering.

1985-1987     Research Assistant, School of Control Engineering, University of Bradford, Bradford, UK, funded by a grant from the British National Research Council.

## Teaching Positions and Experience

Feb 12 - present     Associate Professor of Biomedical Informatics and Multimedia, Technological Educational Institute of Crete, Greece. Teaching the cources: *Biomedical Informatics*, *eHealth and mHealth services,* and Innovation and Entrepreneurship as well as Research Methods and

Project Management at the postgraduate course of Informatics and Multimedia.

Feb 03 – July 07    Visiting Associate Professor, Department of Computer Science, University of Crete. Taught the courses on *Medical Informatics, Multimedia Clinical Information Systems and eHealth* at the postgraduate course of Computer Science.

Feb 97- July 00    Visiting Associate Professor, Technological Institute of Heraklion, STEF. Taught the cources on Programming and Medical Information Systems.

Oct 87- Jun 90    School of Control Engineering, University of Bradford, Bradford, UK. Taught the subjects of *Digital Signal Processing, Measurement and Control and Computer Systems for Real Time Control* at the MSc course of Control Systems Engineering.

## Scientific Positions

2013    Co-organiser of a Special Session on "The Digital Patient concept: Vision and Early Demonstrations", 13th IEEE International Conference on BioInformatics and BioEngineering, November 2013, Chania, Crete, Greece.

2013    Guest Editor of the Special Issue on "Computational solutions to large-scale data management and analysis in translational and personalized medicine" of the IEEE Journal of Biomedical and Health Informatics (J-BHI) – formely known as IEEE Transactions on Information Technology in Biomedicine.

2013    Co-organiser of a Special Session on ""Computational solutions to large-scale data management and analysis in translational and personalized medicine" at the 35th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC'13), Osaka, Japan, July 2013.

2012    Co-organiser of a scientific session on "Personalised Medicine" during the 12th IEEE International Conference on BioInformatics and BioEngineering (BIBE 2012), November 11-13, 2012, Larnaca, Cyprus.

Nov. 2012    Chair of the evaluation panel for the project OpenPHACTS (An open, integrated and sustainable chemistry, biology and pharmacology knowledge resource for drug discovery), funded through the Innovative Medicne Initiative programme of the EU.

2011 - 2013    Chair of the Advisory Board of the EU funded project in the context of the IMI (Innovative Medicine Initiative) programme with the acronym EHR4CR (http://www.ehr4cr.eu/).

2010    Scientific Program co-chair, 10th IEEE International Conference on Information Technology and Applications in Biomedicine (ITAB 2010).

2010    Member of the Technical Program Committee for International ICST Conference on Wireless Mobile Communication and Healthcare (MobiHealth 2010)

2009    Program Committee member of the 9th *International Conference on Information Technology and Applications in Biomedicine, (ITAB 2009),*

*Cyprus, 5-7 November 2009, (http://www.cs.ucy.ac.cy/itab2009/committees.html).*

2009    Program Committee member of track Special Session S11: Intelligent Systems Design and Applications in the Health Domain of the *International Conference on Intelligent Systems Design and Applications 2009 (ISDA 09),* Piza, Italy, 30 November – 2 December, (http://cig.iet.unipi.it/isda09/).

2009    Program Committee member of the International conference *IADIS e-Health 2009 (EH 2009)*, Algarve, Portugal, 21-23 June 2009, (http://www.ehealth-conf.org/topics.asp).

2009    Member of the Scientific Committee of the International Educational Meeting Biomed Grid School 2009, Como, Italy 11-17 May 2009, (http://www.biomedgrid.it).

2008-    Member of the Editorial Board of the scientific journal (open access) *The Open Medical Informatics Journal* (*http://www.bentham.org/open/tominfoj/EBM.htm)*

2008-2009    Member of the Editorial Advisory Board of the Book *Virtual Communities of Practice and Social Interactive Technologies: Lifecycle and Workflow Analysis*, D. Akoumianakis (Editor).

2008    Member of the International Review Board of the IADIS Multi Conference on Computer Science and Information Systems 2007 - "*e-LEARNING - eL2008*".

2007    Expert acting as the country correspondent in the "Exchange of Good Practices in eHealth" (Good eHealth - www.good-ehealth.org) carried out by Deloitte (Belgium) and Empirica (Germany) for the European Commission, DG INFSO and Media.

2007    Member of the Program Committee of the *European Conference on eHealth (ECEH07)*, Oldenburg, Germany, October 11 - 12, 2007.

2007    Member of the International Review Board of the *International Conference on Health Information Technology (ICHIT07)*, Berlin, 12-15 June 2007.

2007    Member of the International Review Board of the IADIS Multi Conference on Computer Science and Information Systems 2007 - "e-LEARNING - eL2007.

2006    Member of the Program Committee of the *European Conference on eHealth (ECEH06)*, Fribourg, Switzerland on October 12-13 2006.

2006    Member of the Technical Program Committee of the *IEEE Information Technologies and Applications in Biomedicine 2006 International Conference*, Ioannina, Greece, 26-28 Oct. 2006.

2006    Member of the Advisory Board of the *eHealth 2006 High Level Conference*, Malaga, 10-12 May 2006.

2003 - 2006    Member of the Programme Committee, HealthGrid Conference, 2003, 2004, 2005, 2006

2005    Member of the Scientific Committee of the *18th IEEE Symposium on Computer-Based Medical Systems (IEEE CBMS 2005)*, June 23-24, 2005, Dublin, Ireland.

Member of the Programme Committee of the Tenth International Symposium on *Health Information Management Research (iSHIMR2002).*

## Advisory activities

2010 - 2012 Chair of the Scientific Advisory Committee of the project EHR4CR, funded by the Innovative Medicine Initiative (IMI) of the EU.

2011 – 2012 Member of the Expert's Advisory Committee of the Greek Ministry of eGovernment. Area of expertise eHealth.

2010 - 2012 Member of the Scientific Advisory Board of the EC FP7 POKEMON Large Collaborative project entitled *"Point-Of_Care MONitoring and Diagnostics for Autoimmune Diseases"*

2006 - 2010 Member of the Scientific Advisory Board of the EC FP6 *SmartHEALTH* Integrated Project entitled "*Smart Integrated Biodiagnostic Systems for Healthcare*".

## Reviewer and Evaluator Assignments

Dr Tsiknakis has been and continues to be a regular reviewer for a number of scientific journals, such as

- IEEE J-BHI (previous known as Transactions on Information Technology in Biomedicine)
- IEEE Communications Magazine
- IMIA Yearbook of Medical Informatics
- The International Journal of Technological Innovation, Entrepreneurship and Technology Management, Elsevier
- BMC Health Services Research
- BMC Medical Informatics and Decision Making
- BMC Medical Genomics
- Computer Methods and Programs in Biomedicine
- Open Medical Informatics Journal
- The International Journal of Technological Innovation, Entrepreneurship and Technology Management

Dr Tsiknakis is also acting as a regular reviewer for a number of international conferences, such as:
- World Congress of Medical Informatics (Medinfo)
- Medical Informatics in Europe (MIE) conference
- IEEE Engineering in Medicine and Biology (IEEE EMBC) International Conference
- IEEE Information Technology and Application in Biomedicine (IEEE ITAB) International Conference
- European Conference on eHealth (ECEH)
- IADIS International Conference on eLearning (IADIS e-Learning)
- IADIS International Conference on eHealth (IADIS eHealth)

- BMIC 2009 - 3rd International Symposium on Bio- and Medical Informatics and Cybernetics.

Dr Tsiknakis has also acted repeatedly as an evaluator for research proposals for the General Secretariat for Research and Technology of Greece, the Irish Health Research Board (2005-2007).

## Administrative Positions

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| June 2013 – present | Vice Rector for Research and Infrastructure, Technological Educational Institute of Crete. |
| Jan.– June 2013 | Head of Department, Applied Informatics and Multimedia, Technological Educational Institute of Crete. |
| Jan 2013 – present | Member of the Management Board of the School of Applied Sciences, Technological Educational Institute of Crete. |
| May 2012 – present | Member of the Managing Committee of the Postgraduate Course in Applied Informatics and Multimedia, Department of Applied Informatics and Multimedia, TEI Crete. |
| Feb. 2012 – present | Head of the Biomedical Informatics and eHealth Laboratory, Department of Applied Informatics and Multimedia, Technological Educational Institute of Crete. |
| 2005 – 2010 | Head of the Center for eHealth technologies (previously known as Center for Medical Informatics and Health Telematics Applications), Institute of Computer Science, Foundation for Research and Technology-Hellas. |
| 1995 - 2004 | Coordinator of the Center for Medical Informatics and Health Telematics Applications (a multidisciplinary group of approximately 35 researchers, technical and support staff), Institute of Computer Science, FORTH. My responsibilities involved, among others, establishing, participating in and managing joint research projects between industry and academia, as well as the day-to-day management of all activities of the Center. |

## Organisation of Conferences and Scientific Workshops

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| 2012 | Dr Tsiknakis was the organiser of the Special Session on "*Computational solutions to large-scale data management and analysis in translational, personalized and predictive medicine*", organised as part of the 12th IEEE International Conference on BioInformatics and BioEngineering (BIBE 2012), Cyprus, Nov 2012. |
| 2010 | Dr Tsiknakis was the organiser of the Special Session on "*Integrated ICT and post-genomic approaches in neurological disorders*", organised as part of the IEEE International Conference on Information Technology and Applications in Biomedicine (ITAB 2010), Corfu, Greece. |
| 2008 | Dr Tsiknakis is the co-chair of the scientific session entitled "*Knowledge Discovery and Decision Support Systems in Health Information Systems*", organised as part of the International Conference on Health Informatics (HEALTHINF 2008), 28-31 January 2008, Madeira, Portugal. |
| 2006 | Dr Tsiknakis was the Programme Chair of the Scientific Workshop on "*ICT technologies for Cancer research and management in the post-genomic era*", organised as a pre-conference workshop during the IEEE |

Information Technology in Biomedicine (ITAB) 06 Conference, Ioannina, Greece, Oct 2006.

2006    Dr Tsiknakis was the co-chair of the Scientific workshop on "*ICT challenges in advancing clinico-genomic research: multilevel data integration and knowledge discovery issues*", organised by the ERCIM Working Group on Biomedical Informatics and the ACGT Integrated Project, Budapest, May 2006.

2003    Dr Tsiknakis was the Chair of the Organising Committee of the 1st Regional Conference "*Innovation and Health in the 21st Century*", Heraklion, Crete, Greece, 12-13 December 2003.

2000    Dr Tsiknakis was the Chair of the international Workshop entitled "*Next Generation Regional Health and Social Care Networks: challenges and opportunities*", Barcelona, 30 Nov – 1 Dec 2000.

1998    Dr Tsiknakis was the Chair of the Round Table on "*Exploiting Information Society technologies in sectors that contribute to the economic development of Crete*", 2nd Conference on the Regional Development of Crete, Heraklion, Crete, 12th June 1998.

# Other National and International Activities

2013    Evaluator of the project proposals submitted within the Knowledge management pillar of the Innovative Medicine Initiative (IMI) programme of the EU.

2012    Member of the Evaluation Committee for the 2nd National Competition on "Applied research and Innovation", organised by the Hellenic Federation of Enterprises (http://www.sev.org.gr/online/index.aspx?lang=en).

2012-13    External expert for evaluating competitive project for the Ministry of education and science of the Russian Federation, within the framework of the initiative "On measures designed to attract the world's leading scientists to Russian institutions of higher learning".

2012    Evaluator of competitive R&D proposals submitted in the context of the IMI (Innovative Medicine Initiative) programme of the EU.

2012    External expert for evaluating competitive project proposals for the Luxembourg National Research Fund (FNR) within the framework of its multi-annual research programme CORE 2012.

2011    External international expert for evaluationg competitive project proposals for the French National Research Agency (ANR) in the context of its initiative "Investissements d'Avenir" or "Investments for the future" (subdomain Bioinformatics).

2011    Evaluator of the project proposals submitted within the Knowledge management pillar of the Innovative Medicine Initiative (IMI) programme of the EU.

2011 – 2012    Member of the "National Task Force and Coordination Committee (ΟΔΙΣΕΕ)" in the domain of eHealth and Social Security of the Ministry of Electronic Governance.

2011    Evaluator of R&D proposals for the Luxembourg National Research Fund (FNR) within the framework of its multi-annual research programme CORE 2011.

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| 2011 - | FORTH's representative and member of the "Innovation in Health" Committee of the Region of Crete. |
| 2010 | Evaluator of competitive R&D proposals submitted in the context of the IMI (Innovative Medicine Initiative) programme of the EU. |
| 2010 - 2012 | Member of the Peer-Review Team for the FP7 funded project FP7-ICT-216088 POCEMON "Point-Of_Care MONitoring and Diagnostics for Autoimmune Diseases". |
| 2004 – 2008 | Chair of the Biomedical Informatics Working Group of the European Research Consortium on Informatics and Mathematics (ERCIM, www.ercim.org). |
| 2003- Present | Member of the Executive Committee of the HL7 - Hellas, whose aim is to act as a catalyst for the promotion and use of the HL7 standard in the Medical Informatics domain in Greece. |
| 2003- Present | Member of the Board of the European Health Telematics Association (EHTEL), a non-for-profit European organization with the purpose of promoting eHealth service uptake in Europe. |
| 2003- Present | Member of the Association of Medical and Biological Engineering and Science (EAMBES), an academic non-for-profit association for promoting biomedical research and science in Europe. |
| 2003- Present | Member of the European Institute for Health Records (EUROREC), a non-for-profit European organization with the purpose of promoting the widespread use of Electronic Health Records in Europe. |
| 2002 – 2003 | Chair of the Health Information Technology Working Group of the European Research Consortium on Informatics and Mathematics (ERCIM, www.ercim.org). |
| 2002 | External Expert to the National Information Society Coordination Committee with the purpose of evaluating the ICT Strategy of the Greek Ministry of Health And Social Care. |
| 2000- 2005 | National Representative for the EUMEDIS (Euro-Mediterranean Information Society) Programme of the European Community. |
| 2001-2002 | Member of the Task Force for the development of an Information Society Strategy for the Region of Crete. |
| 1997-1998 | Evaluator of competitive R&D proposals for the General Secretariat for research and Technology, Ministry of Development, Greece. |
| 1986-1989 | Consultant to several industrial companies in the instrumentation sector in the UK. |

## Professional Societie

- Member of the IEEE (Institute of Electrical and Electronics Engineers) since 1993
- Member of the IEEE – EMBS (Engineering in Medicine and Biology Society) since 1995.
- Member of the Institute of Measurement and Instrumentation since 1986.

## Awards and Honors

1. The paper "*A kouroubali, D. Katehakis, A Berler, M. Tsiknakis, Electronic Health Record Systems: Luxury or Need, 14<sup>th</sup> National Conference on Management  of Health Services, Athens, 12-13 October 2012*", received the best paper award.

2. Project EMISPHER (Contract No. EUMEDIS 110) received the ***best project award***, during the ATVN-EU-GP Conference, 1-3 December 2005 in Poland. The EMISPHER Project  was awarded the first prize in the "e-Health" category of contest of "Good Practice Projects"; (http://www.atvn-eu-gp.pl/contest/index.htm)

3. The paper "A. Kouroubali, D. Vourvahakis, M. Tsiknakis: Innovative Practices in the Emergency Medical Services in Crete," received the best paper award at the iSHMIR 05 Conference, Thessaloniki, Greece, Sept 2005. (www.seerc.info/ishimr2005/index.html).

4. The research study carried out by the eHealth laboratory of FORTH-ICS in collaboration with CNR, Italy entitled : "*Predicting the End of an Atrial Fibrillation Episode*" ***received three awards***  in the international competition (http://www.physionet.org/challenge/2004/) that took place on 19-22 September 2004 within the scope of the International Annual Congress on Computers in Cardiology in Chicago, USA.

5. Dr Tsiknakis received the ***2003 FORTH's award*** for best applied research.  This is an annual award given by FORTH to innovative research and technological achievements by its researchers in the domains of basic and applied research.

6. The Regional Health Information Network of Crete "*HYGEIAnet*" was selected a finalist (among more than 180 contenders) at the ministerial conference and exhibition eHealth 2003, that took place in Brussels on May 2003 and received an *honourable mention* (the ***second prize*** in the Regional Health Information networks category).

7. The Poster "*ECG in Your Hands: A Multi-Vendor ECG Viewer for Personal Digital Assistants*" by F. Chiarugi, M. Spanakis, PJ. Lees, C. Chronaki, M. Tsiknakis and SC Orphanoudakis received the ***best poster award*** at the Computers in Cardiology 2003 Conference that took place in Chalkidiki, Greece, 21-24 September 2003.

## Research Grants (Bradford University)

➡ "Advanced Signal Processing Methods in Process Plant Monitoring", School of Control Systems Engineering, University of Bradford, Bradford, U.K. Funded by the British National Research Council, Co-ordinator and principal investigator (1988 - 1989).

➡ "Digital signal processing in flow-measurement", School of Control Systems Engineering, University of Bradford, Bradford, U.K. Funded by the British National Research Council, investigator (1985-1988).

## Research Grants (TEI Crete)

➡ "CHIC - Computational Horizons in Cancer (CHIC): Developing Meta- and Hyper-Multiscale Models and Repositories for In Silico Oncology", Large Collaborative Research Project funded by the FP7-ICT programme of the European Commission (2013-2017). Prof Tsiknakis is TEI's principal investigator.

➡ "*MyHealthAvatar* - Demonstration of a 4D Digital Avatar Representation for Access to Long-Term Health Status Information", Small Collaborative Research Project (STREP) funded by the FP7-ICT programme of the European Commission (2013-2016).  Prof Tsiknakis is TEI's principal investigator.

- "*CONTRACT* - Consent in a Trial and Care environment", Coordination and support action funded by the FP7-Health programme of the European Commission (2010-2012). Prof Tsiknakis is TEI's principal investigator.
- "*SPIRIT*", Industry subcontract for the implementation of a clinical decision support system for stent positioning (2011-2012).
- "*Eurocancercomms* - Establishing an efficient network for cancer communication in Europe", Coordination and support action, funded by the FP7-SiS programme of the European Commission (2011-2012). Prof Tsiknakis is TEI's principal investigator together with Prof Akoumianakis.

## Research Grants (FORTH)

- "Semeoticons", Small collaborative Research Project funded by the FP7-ICT programme of the European Commission (2012-2016). Dr Tsiknakis is a principal investigator.
- "EURECA", Large Collaborative Research Project funded by the FP7-ICT programme of the European Commission (2012-2016). Dr Tsiknakis is a member of the Project's Management Board and FORTH's principal investigator.
- "p-medicine", Large Collaborative Research Project funded by the FP7-ICT programme of the European Commission (2011-2015). Dr Tsiknakis is a member of the Project's Management Board, a member of the Technical Coordination Committee and FORTH's principal investigator.
- "INTEGRATE", Small Collaborative Research Project funded by the FP7-ICT programme of the European Commission (2011-2014). Dr Tsiknakis is a member of the Project's Management Board and FORTH's principal investigator.
- "ENNCA", Network of Excellence funded by the FP7-Health programme of the European Commission (2011-2015). Dr Tsiknakis is a member of the Project's Management Board and FORTH's principal investigator.
- "Gen2Phen", Large Collaborative Research Project funded by the FP7-Health programme of the European Commission (2008-2012). Dr Tsiknakis is a principal investigator.
- "I4Crete" - Regional Innovation Pole of Crete (2006-2008) – Dr Tsiknakis is the *Scientific Coordinator* of the action related to the specification of a "Regional Technology Platform on eHealth" and the action related to the design of the conceptual model for the post-genomic electronic health record.
- "ACGT", Integrated Project, funded by the Information Society Technologies Programme of the European Commission (2006-2010). Dr Tsiknakis is the *Scientific and Technical coordinator* of the Project.
- "LOCCANDIA", Specific Targeted Research Project (STREP), funded by the IST programme of the European Commission. Dr Tsiknakis is a member of the Project's Management Board and FORTH's principal investigator.
- "HARTFAID", Specific Targeted Research Project (STREP), Funded by the Information Society Technologies Programme of the European Commission (2004-2006). Dr Tsiknakis is a member of the Project's Management Board and FORTH's principal investigator.
- "SYMBIOMATICS", Specific Support Action (SSA) in the domain of Biomedical Informatics, Funded by the Information Society Technologies Programme of the European Commission (2004-2006). Dr Tsiknakis is a member of the Project's Management Board and FORTH's principal investigator.

- ➡ "HEALTHWARE", Integrated Project, Funded by the Space and Satellite Programme of the European Commission (2004-2006). Dr Tsiknakis is a member of the Project's Management Board and FORTH's principal investigator.

- ➡ "RURAL WINGS", Integrated Project, Funded by the Space and Satellite Programme of the European Commission (2004-2006). Dr Tsiknakis is a member of the Project's Management Board and FORTH's principal investigator.

- ➡ "eu-DOMAIN", Specific Targeted Research Project (STREP), Funded by the Information Society Technologies Programme of the European Commission (2004-2006). Dr Tsiknakis is a member of the Project's Management Board and FORTH's principal investigator.

- ➡ "TWISTER", Integrated Project, Funded by the Space and Satellite Programme of the European Commission (2004-2006). Dr Tsiknakis is a member of the Project's Management Board and FORTH's principal investigator.

- ➡ "INFOBIOMED", Network of Excellence, Funded by the Information Society Technologies Programme of the European Commission (2004-2006). Dr Tsiknakis is a member of the Project's Management Board and FORTH's principal investigator.

- ➡ "TWISTER", Integrated Project, Funded by the Satellite and Space Technologies Programme of the European Commission (2004-2006). Dr Tsiknakis is a member of the Project's Management Board and FORTH's principal investigator.

- ➡ "ADOL", Funded by the General Secretariat for Research and Technology, Ministry of Development (Programme ΕΠΑΝ), (2002 – 2004). Dr Tsiknakis is FORTH's principal investigator.

- ➡ "EMISPHER", Funded by the Ten-Telecom Programme of the European Commission (2001-2004). Dr Tsiknakis is a member of the Project's Management Board and FORTH's principal investigator.

- ➡ "CORAS", Funded by the Information Society Technologies (IST) Programme of the European Commission (2001-2003). Dr Tsiknakis is a member of the Project's Management Board and FORTH's principal investigator.

- ➡ "PICNIC", Funded by the Information Society Technologies (IST) Programme of the European Commission (2000-2003). Dr Tsiknakis is a member of the Project's Management Board and the Technical Management Committee and FORTH's principal investigator.

- ➡ "JUST", Project Leader and Scientific Coordinator, Funded by the Information Society Technologies (IST) Programme of the European Commission (2000-2002). Dr Tsiknakis is the Project Administrative and Technical Coordinator.

- ➡ "BreastCancer", Funded by the General Secretariat for Research and Technology, Ministry of Development (Programme ΠΕΝΕΔ), (1999 – 2001). Dr Tsiknakis is FORTH's principal investigator.

- ➡ "Crete – Telematics Applications in Healthcare, Culture, and Public Administration", Project Manager and Scientific Leader of the Health Telematics Applications, Funded by the Ministry of the National Economy of Greece in the framework of the INTERREG II Programme (1998-2000). Dr Tsiknakis is the Technical Coordinator of the Project.

- ➡ "TEMeTeN", Towards a European Medical and Teleworking Network", Project Leader and Scientific Leader of the Health Telematics Applications, Funded by the Regional Information Society Initiative of the European Commission (1997-1999). Dr Tsiknakis is the Project Administrative and Technical Coordinator.

- "INTERCARE", Funded by the Telematics Applications Programme of the European Commission (1998-2000). Dr Tsiknakis is a member of the Project's Management Board and the Technical Management Committee and FORTH's principal investigator.

- "ATTRACT", Funded by the Telematics Applications Programme of the European Commission (1998-2000). Dr Tsiknakis is a member of the Project's Management Board and the Technical Management Committee and FORTH's principal investigator.

- "RETRANSPLANT", Funded by the Telematics Applications Programme of the European Commission (1998-2000). Dr Tsiknakis is a member of the Project's Management Board and FORTH's principal investigator.

- "TEN-TELEMED", Funded by the TEN-TELECOM Programme of the European Commission (1998-1999). Dr Tsiknakis is a member of the Project's Management Board and FORTH's principal investigator.

## Industry and Other Grants (ICS-FORTH)

- Integrated Regional Health Information Network of the 3rd Health System of Attica. Contract awarded by the Information Society S.A. following a public tender. FORTH's Budget: *608.000* Euro  (2005-2008).

- Integrated Regional Health Information Network of the Health System of Western Greece. Contract awarded by the Information Society S.A. following a public tender. FORTH's Budget: *210.000* Euro (2005-2008).

- Integrated Regional Health Information Network of the Health System of North Aegean. Contract awarded by the Information Society S.A. following a public tender. FORTH's Budget: *180.000* Euro (2005-2008).

- *Technical Consultancy and Systems Support Contracts* with the Hospitals of the Regional Health and Social System of Crete (2005 -2006). Budget: *~80.000* Euro

- *Technical Consultancy and Systems Support Contracts* with the Hospitals of the Regional Health and Social System of Crete (2004 -2005). Budget: *~100.000* Euro

- *Technical Consultancy and Systems Support Contracts* with the Hospitals of the Regional Health and Social System of Crete (2003 -2004). Budget: *~100.000* Euro

- Regional Health and Social Care System of South Aegean. *Development of an eHealth Network in the islands of Santorini, Thirasia, Folegandros, Sikinos and Anafi* (Aug. 2003 – Feb. 2004). Budget: 40.000 Euro

- South and East Belfast Health and Social Care Trust, *Installation of technology to support an Integrated Electronic Health Record in the Trust* (March 2002 – Aug. 2003). Budget: 17.000 Euro

- HealthSystemsExpertease S.A. (HSX), Netherlands. *Development of an Integrated Hospital Information System* (May 2001- Dec. 2003).  Budget: 215.000 Euro

- Shared Medical Systems (SMS) – Europe S.A.. *Localisation and customisation of SMS-Europe's medical information systems for the Greek healthcare market* (1999 – 2000). Budget: 55.000 Euro

- Shared Medical Systems (SMS)– Europe S.A. *Assessment of the applicability of SMS products in the Greek Healthcare Market* (1998). Budget: 15.000 Euro

- Oncology University Clinic, University Hospital of Heraklion, Crete. *Analysis and Design of a Web-based environment to support multi-site clinical trials in oncology* (1996-1997). Budget: 25.000 Euro

- University Hospital of Heraklion. *Requirements analysis and design of an advanced networking infrastructure* (1996).  Budget: 32.000 Euro

## Supervision of PhD Dissertations

1. J. Arif, *A Low Power Excitation Drive for Intelligent Electromagnetic Flowmeters*, University of Bradford, Bradford, West Yorkshire, U.K., Sept. 1990.
2. M. Pediaditis, *Vision-based human motion analysis in neurological disorders (In progress).*

Prof Tsiknakis has also experience of participation in PhD examining bodies. Specifically he has recently been a member of the following PhD examining juries.

1. Member of the Ph.D. jury of Xia Zhao. The title of her PhD dissertation is "*A linear logic approach to RESTful Web service modelling and composition*", Department of Computer Science and Technology, University of Bedfordshire, Luton, UK, May 2013.
2. Member of the Ph.D. jury of Anna Hristoskova. The title of her PhD dissertation is "*Design of semantic reasoning systems for management of next generation software services*", Department of Information Technology (INTEC), Ghent University, Nov 2012.
3. Member of the Ph.D. jury of Samuli Niiranen. The title of his PhD thesis is "*A Hybrid Model for the Application of Convergent ICT in Process-Specific Health Solutions*", Digital Media Institute, Tampere University of Technology, 2005.

## Supervision of M.Sc. Dissertations

1. P. Sfakianaki, Semantic service discovery using natural language processing techniques (in progress).
2. M. Ligerakis, Design and implementation of an active electrodes based EEG device, suitable for use in Steady State Visual Evoked Potentials (SSVEP) studies and applications (joint supervisor with V. Sakkalis)(in progress).
3. D. Kounalakis, Cloud architectures and technologies for biomedical applications: Experimental evaluation of hybrid models (in progress).
4. V. Papoutsidis, *A biomedical GRID infrastructure enabling high-performing data mining and knowledge extraction operations*, University of Crete at Heraklion, Greece, February 2006
5. S. Kaoukakis, *Design, development and comparison of alternatives architectural approaches of communication based on HL7 Standard*, Department of Computer Science, University of Crete at Heraklion, Greece, June 2004.
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7. Th. Tzelepis, *Designing Electronic Health Record Systems based on the Archetype methodology*, Department of Computer Science, University of Crete at Heraklion, Greece, October 2003.
8. Ch. Dimou, *Design and development of an internet based medical collaboration platform based on XML,* Department of Computer Science, University of Crete at Heraklion, Greece, September 2003.
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## Supervision of Senior Theses

Prof. Tsiknakis has supervised numerous senior theses at the University of Bradford, the University of Crete as well as at the Technological Educational Institute of Crete.

# Publications

## Dissertations

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## *Citations*

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Specifically, the details for his citations, the h-index and g-index are shown in the subsequent table.

| | | |
|---|---|---|
| No. Of articles:   180 | Citations/article:  6.8 | h-index:   20 |
| No of Citations:  1377 | Citations/author: 328 | g-index:   28 |

# Other Miscellaneous Publications

Dr Tsiknakis has published extensively on issues related to medical and biomedical informatics and eHealth on numerous non-scientific journals as well as in the national and regional press.
Indicative such articles can be found at http://www.ics.forth.gr/bmi/ehealth_in_the_news.html.