

## Scientific Programme

Thursday 22/9

9:00	Symposium Secretariat
Registration	
9:30	Room: Amphitheater
Opening and Welcome	
10:00	Room: Amphitheater
Session 1	Keynote Speech: By: Prof. Keith Jeffery, Head of Information Systems Engineering Division at the Rutherford Appleton Laboratory, Title: GRIDs, Ambient Computing and Healthcare
11:00	Coffee Break
11:30	Room: Amphitheater
Session 2A	Security & Confidentiality in Healthcare Security of Healthcare Information in a Mobile Medical Information System, <i>Oliver Nee, Marco Eichelberg</i> How to Start Modelling Access Control in a Healthcare Organization, <i>Ana Ferreira, Ricardo Correia, Luís Antunes, Ernesto Palhares, Pedro Farinha, Altamiro Costa-Pereira</i> An Examination of the levels of confidence that consultants have in routinely collected clinical information, <i>Caroline E. Brook, Peter A. Bath</i> e-healthcare security framework: DITIS case study, <i>Eliana Stavrou, Andreas Pitsillides</i>
11:30	Room: Rotonda
Session 2B	Knowledge Representation & Management Data modelling for medical knowledge production, <i>John A. Bohada, Aida Kamisalic, David Riaño, Tatjana Welzer</i> Modelling Knowledge Represented in Clinical Action Using a Boundary Objects Approach, <i>Grace I. Paterson</i> Morning Tacit and Explicit Medical Knowledge for Multi-Faceted Medical Decision Support, <i>Syed Sibte Raza Abidi, Fehmida Hussain, Samina Raza Abidi</i> The Utilization of Ontologies for E-Health Systems Integration, <i>Dimitrios Tektonidis, Albert Bokma</i>
13:30	Lunch
14:30	Room: Amphitheater

**Workshop 1      HL7 protocol: the corner stone of the health care information exchange infrastructure in Greece**

Integration of Healthcare Information System: Steps towards Common Clinical Documents, *Pantelis Aggelidis*

The application of HL7 in the Netherlands, a report of the state of the art, *Peter van der Werf*

On Interconnecting Regional Healthcare Systems in Greece: A report from the field, *Ioannis Talias*

Interoperability in practice: implementation experience in the Greek public and private sector, *Sotiris Pavlopoulos*

**16:00      Coffee Break**

**16:30      Room: Amphitheater  
Poster Session**

Exploring the concept of patient-centred collaboration in health care - a study of home care in two Swedish cities, *Monica Winge, Eva Lindh Waterworth, Nils-Petter Augustsson, Uno Fors, Benkt Wangler*

A Web-Based Drug Information Centre for Patients, *Madalina Rusu, Augustin Prodan*

Intelligent Dynamic Access Security for Medical Environments, *George Vakaros, George Pangalos, Dimitra Papakosta*

Setting up health information centres; a case study in Iran, *Fereshteh Bakhshalian, Nahid Ramezan Ghorbani, Reza Safdari, Mashalah Torabi*

Knowledge and use of electronic information resources by medical faculty at the Shahid Sadoughi Hospital in Yazd medical university, *Farhad Fatehi, Fereshteh Bakhshalian, Amir Bahrami*

Multilingual Lingual Virtual Quality Center Providing eLearning Facilities for Health Service Management and Vocational Managerial Education and Training, *Kristina Zgodavova, Ales Bourek, L. A. Golemonov*

Integrated Electronic Health Record Development Approaches, *Spyridon G. Kitsiou, Vicky Manthou, Maro Vlachopoulou*

Towards building a model for the unification of distributed and heterogeneous biomedical repositories, *Chrysa Collyda, Sotiris Diplaris, Anastasios Delopoulos, Nicos Maglaveras, Pericles A. Mitkas, Costas Pappas*

General Practice Networks – basis for research and improvement of healthcare, *Dorin Berian, Vasile Stoicu-Tivadar, Lăcrămioara Stoicu-Tivadar*

Clinical Information System for the management of the ENT Department of Alexandroupolis University Hospital, *G. Konstantinidis, G. Anastassopoulos, A. Karakos, V. Danielides*

Wireless technologies - requirements for an innovative environment to test new technologies, *Marjaana Kuusela, Paula Asikainen, Pertti Aarnio*

Re-engineering work process and implementing the Regional Information System - Problems and Challenges, *Paula Asikainen*

Shared eLearning model in education of home care personnel for use home care applications and to work in an intelligent home care environment, *Tarja Lamberg, Paula Asikainen, Pirkko Levola, Tiina Pennanen*

Securing Electronic Patient Records using Digital Rights Management, *Milan Petković, Malik Hammoutène, Claudine Conrado, Willem Jonker*

Information needs of women concerning osteoporosis, *Theocharis Stavroulakis, Peter A. Bath, Merryn Gott*

Drawn together: combining the people and methodologies of software design and work development, *Heidi Häkkinen & the ActAD-HIS and ZipIT project teams*

IMPROHEALTH: An Integrated Study of the Using Virtual Environment for Developing Quality, Effectiveness and Efficiency of Health Care Management, *Juha Leskinen, Lubomir Lengyel*

**Theme: Restructuring of The Health Care Sector: A Patient Oriented Approach**, *Fragoulis Papagiannis, Konstatntinos Danas, Abdul Roudsari*

**Methodology framework for studying the diffusion and distribution of IT in health care**, *Pavlos Markou, Panagiotis Bamidis*

**The development of data and information elements for a Geographic Information System used for planning the distribution of CT and MRI Scanners in Greece**,  
*Pavlos Markou, Panagiotis Bamidis*

**National Electronic Health Record Systems: A Methodological Approach to establishing Evidence-Based Know-How**, *Leonidas Orfanidis, Barry Eaglestone, Panagiotis D. Bamidis*

18:00	Guided Tour of Contemporary Arts Museum (I)
18:00	Room: Amphitheater
Tutorial 1	IT Skills in Health Information Management
18:00	Room: Rotonda
Tutorial 2	Formal Methods for Modeling and Validating Medical Systems.

Friday 23/9

<b>9:00</b> <b>Session 3</b>	<b>Room: Amphitheater</b> <b>Keynote Speech:</b> <b>By: Dr. Paulo Quaresma, Assistant Professor at the University of Evora, Portugal,</b> <b>Title: Using ontologies and NLP techniques to improve health care information systems</b>
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<b>10:00</b> <b>Session 4</b>	<b>Room: Amphitheater</b> <b>GIS in Healthcare</b>
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**Inequalities of Geographical Access to Healthcare Services: Using GIS to inform Policy Planning and Implementation,** *Jan Rigby, Chris Skelly, Nicholas J. Tate, Lars Brabyn, Ron King, Barry Borman*

**Using Geographical Information Systems and spatial microsimulation for the analysis of health inequalities,** *Dimitris Ballas, Graham Clarke, Danny Dorling, Jan Rigby*

**A geographical database for the control of Leishmaniasis: The case of greater Athens, Greece,** *Andreas Tsatsaris, Polyxeni Iliopoulou, Amalia Panagiotopoulou, Yiannis Tselentis*

<b>11:15</b>	<b>Coffee Break</b>
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<b>11:45</b> <b>Session 5A</b>	<b>Room: Amphitheater</b> <b>Local Implementation Strategies - Risk Management</b>
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**Supporting Information Technology Across Health Boards in New Zealand: Themes Emerging From the Development of a Shared Services Organisation,** *K. J. Day, A. C. Norris*

**Identification of the risk related to a process on hospital emergency service: A case study,** *Carlos Santos, Armindo Rebelo, Carla Ferreira, José Tribolet*

**Innovative Practices in the Emergency Medical Services in Crete,** *Angelina Kouroubali, Dimitris Vourvahakis, Manolis Tsiknakis*

**Coding of Medical and Surgical Equipment and Supplies in Pharmacies of Greek Public Hospitals,** *Efstratia Mourtou, George Pavlidis*

<b>11:45</b> <b>Session 5B</b>	<b>Room: Rotonda</b> <b>Personal Health Tele-Systems</b>
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**Structuring Documentation Of Patient Care,** *Olli Kärkkäinen*

**Emotional Understanding Using A Wearable Multisensorial Platform,** *C.D. Katsis, G. Ganiatsas, N. Katertsidis, D.I. Fotiadis*

**Blending Wireless Technologies – A Proposed Solution to Health Problem in Remote Areas,** *Omer Mahmood*

**Personalising web information for patients: Linking patient medical data with the web via a patient personal knowledge base,** *Asma Al-Busaidi, Alex Gray, Nick Fiddian*

<b>13:30</b>	<b>Lunch</b>
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<b>14:30</b>	<b>Room: Amphitheater</b>
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<b>Workshop 2</b>	<b>Economics of the e-Health Business: Emerging Patterns and Dominating Trends</b>
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<b>16:00</b>	<b>Coffee Break</b>
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<b>16:30</b> <b>Session 6</b>	<b>Room: Amphitheater</b> <b>Information Needs</b>
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Use, Trust and Quality: User Perceptions of Food-related Health Information, *Kristina Eriksson-Backa*

Development and Evaluation of an Information System for Cancer Patients in the Internet Age, *B. Sissons, W.A. Gray, A. Bater, D. Morrey*

Effects of uncertainty and achievement orientation on information behaviour among sick and healthy persons, *Stefan Ek, Mariam Ginman*

<b>17:30</b>	<b>Room: Amphitheater</b>
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<b>Workshop 3</b>	Applying an e-procurement system in Healthcare: Benefits, Criteria for success & Obstacles (The EPOS paradigm)"
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<b>18:00</b>	<b>Guided Tour of Contemporary Arts Museum (II)</b>
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Saturday 24/9

<b>9:30</b>	<b>Room: Amphitheater</b>
<b>Session 7</b>	<b>Educational aspects of Health Information Management</b>

Health Information Management: a retrospective account of a decade of iSHIMR events, *Panagiotis D. Bamidis, Barry Eaglestone*  
Crossing the traditional barrier in medical informatics education: an embedded course in Computer Science assessed via the mini project approach, *Panagiotis D. Bamidis, Iraklis Paraskakis*  
Clinical information retrieval to support teaching and research in radiology, *Eleni Kaldoudi, Dimosthenis Karaiskakis, John Manavis*  
Working towards the informationist, *Kathleen B. Oliver, Nancy K. Roderer*

<b>11:00</b>	<b>Coffee Break</b>
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<b>11:30</b>	<b>Room: Amphitheater</b>
<b>Session 8</b>	<b>Quality Management– Bio-information Management</b>

XMLgenes: Applying XML to uniformly describe gene prediction outcomes, *Andigoni Malousi, Nicos Maglaveras*  
Management of medicine information for patient safety, *D. Pappa, P. Telonis, L. K. Stergioulas*  
A Data Quality Assessment Framework for Workflow and Message Oriented Architectures in Regional Health Information Systems, *Stergiani Spyrou, Panagiotis Bamidis, Dimitris Dranidis, Dimitrios Vartzopoulos, Nicos Maglaveras, Costas Pappas*  
Quality Labelling of Medical Web Content, *Miquel Angel Mayer, Vangelis Karkaletsis, Phil Archer, Pau Ruiz, Konstantinos Stamatakis, Angela Leis*  
Benefits of a Combined Approach to Improving Information Quality in the Cancer Care Domain, *Omnia Allam, Alex Gray, Wendy Jones, Steve McIntosh, Hazel Bailey, David Morrey*

<b>13:00</b>	<b>Room: Amphitheater</b>
<b>Closing Remarks and Prizes</b>	

<b>14:30</b>	<b>Room: Amphitheater</b>
<b>Tutorial 3</b>	<b>Standards and Protocols for Medical Devices and Medical Data</b>

<b>14:30</b>	<b>Room: Rotonda</b>
<b>Tutorial 4</b>	<b>Consideration of Legal, Ethical and Professional Issues in Health Informatics.</b>

Sunday 25/9

<b>9:00</b>	<b>Meeting in front of the entrance of venue</b>
<b>Trip to Archeological Site Of Vergina</b>	