

ICIMTH 2015
9th-11th July, 2015
Hotel Divani Palace Acropolis, Athens, Greece

DAY 1: Thursday, 9 July, 2015		
	ROOM "Aristotelis A"	ROOM "Aristotelis B"
14:00 - 19:00	Conference Registration	
14:30 - 15:00	Tutorial 1 Recent Trends in Biomedical Decision Support and Problem-Solving <i>Rodolfo A. FIORINI</i>	Workshop 1 <i>Chair: Rolf Engelbrecht</i> Ergonomics of the Coordination Process and the Procurement Phase in Uterous Transplant, in terms of Teleradiological and Telepathological Evaluation of the Graft <i>Constantinos S. MAMMAS, Georgia KOSTOPANAGIOTOU, Andreas LAZARIS, Spyros GEROPOULOS, Chryssa LEMONIDOU, Eustratios PATSOURIS and Demetrios CHASIAKOS</i>
15:00 - 15:30		
15:30 - 16:00	Tutorial 2 Transdisciplinary Creativity and Medical Decision Support by The Extended Elementary Pragmatic Model (E ² PM) <i>Rodolfo A. FIORINI</i>	
16:00 - 16:30		
16:30 - 17:00	Coffee Break	
17:00 - 17:30	Tutorial 3 IT's not Innocuous: Understanding the Organisational Challenges of Unintended Health IT Operation <i>George DESPOTOU</i>	Workshop 2 <i>Chair: Rolf Engelbrecht</i> Remote Prevention and Management of Diabetic Foot in Diabetic Patients <i>Constantinos S. MAMMAS, Georgia MARKOU, Spyros GEROPOULOS and Chryssa LEMONIDOU</i>
17:30 - 18:00		
18:00 - 18:30	Tutorial 4 Natural Learning Architecture for Biomedical and Wellbeing Application <i>Rodolfo A. FIORINI</i>	
18:30 - 19:00		
19:00 - 20:00	Welcome Reception	

DAY 2: Friday, 10 July, 2015		
	ROOM "Erechthion"	ROOM "Aristotelis B"
9:30 - 10:30	Opening Session	
10:30 - 11:15	Keynote 1	
	Title: Informatics Innovations to Support Aging Invited Speaker: Professor George Demiris, University of Washington, USA Chair: John Mantas	
11:15 - 11:45	Coffee Break	
11:45 - 13:15	Session 1 - E-learning and Education	Session 2 - Biomedical Technology
	<i>Chair: Jana Zvarova</i>	<i>Chair: Mowafa Househ</i>
	Open Innovation Challenge in Healthcare. Role for Education <i>Rodica DIMITRIU, Diana LUNGEANU, Cristina MĂNESCU, Mirela PANTAZI and George I. MIHALAS</i>	Photodocumentation of Allergic Severity under Conjunctival Provocation <i>Anatoli ASTVATSATOUROV, Yann REYDELET and Ralph MÖSGES</i>
	Proactive Support of Internet Browsing when Searching for Relevant Health Information <i>Clas RURIK, Richard ZOWALLA, Martin WIESNER and Daniel PFEIFER</i>	Image-based Assessment of Allergic Inflammation under Conjunctival Provocation <i>Anatoli ASTVATSATOUROV and Ralph MÖSGES</i>
	Benefits and Barriers of E-Learning for Staff Training in a Medical University <i>Stefan FRANZ, Marianne BEHRENDTS, Claudia HAACK and Michael MARSCHOLLEK</i>	3D Texture Analysis of Heterogeneous MRI Data for Diagnostic Classification of Childhood Brain Tumours <i>Ahmed E. FETIT, Jan NOVAK, Daniel RODRIGUEZ, Dorothee P. AUER, Chris A. CLARK, Richard G. GRUNDY, Tim JASPAN, Andrew C. PEET and Theodoros N. ARVANITIS</i>
	Toward More Successful Biomedical Informatics Education Programs and Ecosystems in the Arab World <i>Mohamed A. WAGEIH, Alexis MARCANO-CEDEÑO, Enrique J. GÓMEZ and John MANTAS</i>	Establishing a National Medical Device Registry in Saudi Arabia: Lessons Learned and Future Work <i>Khaled AL-SURIMI, Mowafa HOUSEH, Essam ALMOHANDIS and Fahd ALSHAGATHRH</i>
	IMIA Dynamic Accreditation Procedure: Suggestions, Simplicity and Efficiency <i>Alexis MARCANO-CEDEÑO, Mohamed A. WAGEIH, Enrique J. GÓMEZ and John MANTAS</i>	
	West Midlands Health Informatics Network: A Perspective on Education and Training Needs <i>Sarah N. LIM CHOI KEUNG, Bolanle OLA, David DAVIES, Martin ROWLAND and Theodoros N. ARVANITIS</i>	
13:15 - 14:15	Lunch Break	

14:15 - 15:00	Keynote 2	
	Title: Health Information Management Invited Speaker: Rolf Engelbrecht Chair: Arie Hasman	
15:00 - 16:30	Session 3 - Clinical Informatics	Session 4 - Decision Support and Intelligent Systems
	<i>Chair: John Mantas</i>	<i>Chair: Izet Masic</i>
	Improving Emergency Room Performance by Reducing Patients' Length of Stay <i>Mohamed KHALIFA</i>	Knowledge Management within the Medical University <i>Svetlana Ye. RAUZINA, Tatiana A. TIKHONOVA, Dmitriy S. KARPENKO, Gennady A. BOGOPOLSKIY and Tatiana V. ZARUBINA</i>
	An Extensible Neuroimaging e-Repository for Clinical Trials of Paediatric Brain Tumours <i>Ahmed E. FETIT, Omar KHAN, Soroosh AFYOUNI, Niloufar ZARINABAD, Jan NOVAK, Andrew C. PEET and Theodoros N. ARVANITIS</i>	The Prognostic Scale CRASH in the Treatment of Children with Severe Traumatic Brain Injury <i>Irina Vitalevna VASILYEVA, Semen Vladimirovich MESHERAKOV, Sergey Borosovich ARSENIYEV and Zanna Borisovna SEMENOVA</i>
	Computerized Insulin Order Sets Can Lead to Unanticipated Consequences <i>McKenzie BEDRA, Sherita HILL GOLDER, Eunme CHA, In cheol JEONG and Joseph FINKELSTEIN</i>	Prediction of 5-Year Survival with Data Mining Algorithms <i>Fabian SAILER, Monika POBIRUCHIN, Sylvia BOCHUM, Uwe M. MARTENS and Wendelin SCHRAMM</i>
	A First Step for the Automation of Fugl-Meyer Assessment Scale for Stroke Subjects in Upper Limb Physical Neurorehabilitation <i>Mailin A. VILLÁN-VILLÁN, Rodrigo PÉREZ-RODRÍGUEZ, Cristina GÓMEZ, Eloy OPISSO, Jose TORMOS, Josep MEDINA and Enrique J. GÓMEZ</i>	Abstractive Summarization of Drug Dosage Regimens for Supporting Drug Comparison <i>Adrien UGON, H��l��ne BERTHELOT, Alain VENOT, Madeleine FAVRE, Catherine DUCLOS and Jean-Baptiste LAMY</i>
	Feasibility of Interactive Resistance Chair in Older Adults with Diabetes <i>Joseph FINKELSTEIN, Pape Cisse and In cheol JEONG</i>	Exploitation of Medical Crisp Database for Fuzzy Diagnostic Decision Support Systems <i>Maria PAPAIOANNOU and Christos N. SCHIZAS</i>
A Query Tool Enabling Clinicians and Researchers to Explore Patient Cohorts <i>Sarah N. LIM CHOI KEUNG, Omar KHAN, Ali ASADIPOUR, Huseyin DERELI, Lei ZHAO, Tim ROBBINS and Theodoros N. ARVANITIS</i>	Clinical Decision Support Knowledge Management: Strategies for Success <i>Mohamed KHALIFA and Osama ALSWAILEM</i>	
16:30 - 17:00	Coffee Break - Poster Session	
17:00 - 17:45	Keynote 3	
	Title: History of Medical Informatics Invited Speaker: Professor Izet Masic, University of Sarajevo, Bosnia & Herzegovina Chair: John Mantas	
18:15	Gala Dinner	

DAY 3: Saturday, 11 July, 2015

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09:00 - 10:30	Session 5 - Telemedicine and Mobile Technology in Healthcare	Session 6 - Formalisation of Knowledge, Ontologies, Clinical Guidelines and Standards of Healthcare
	<i>Chair: Mowafa Househ</i>	<i>Chair: Christos Schizas</i>
	Ontology-based Medical Decision Support System to Enhance Chronic Patients' Lifestyle within E-care Telemonitoring Platform <i>Lamine BENMIMOUNE, Amir HAJJAM, Parisa GHODOUS, Emmanuel ANDRES, Samy TALHA and Mohamed HAJJAM</i>	Clinical Pathways: Identifying Development, Implementation and Evaluation Challenges <i>Mohamed KHALIFA and Osama ALSWAILEM</i>
	iSignIT - Communication App and Concept for the Deaf and Hard of Hearing <i>Urs-Vito ALBRECHT, Tobias JUNGNICKE and Ute VON JAN</i>	The Medical Ontology "HoPRO" <i>Vasilios A. KERAMARIS and Konstantinos DANAS</i>
	Resilient Systemics to Telehealth Support for Clinical Psychiatry and Psychology <i>Rodolfo A. FIORINI, Piero De GIACOMO and Luciano L'ABATE</i>	eHealth Services for the European Reference Network on Rare Anaemias (eENERCA) <i>Zinonas ANTONIOU, Eirini C. SCHIZA, Kleanthis NEOKLEOUS, Michael ANGASTINIOTIS, Constantinos S. PATTICHIS and Christos N. SCHIZAS</i>
	Towards Resilient Telehealth Support for Clinical Psychiatry and Psychology: A Strategic Review <i>Rodolfo A. FIORINI, Piero De GIACOMO and Luciano L'ABATE</i>	Developing an Emergency Physician Productivity Index Using Descriptive Health Analytics <i>Mohamed KHALIFA</i>
	Do Ethics Need to be Adapted to mHealth? <i>Urs-Vito ALBRECHT and Heiner FANGERAU</i>	Integrated Electronic Health Record Database Management System: A Proposal <i>Eirini C. SCHIZA, George PANOS, Christiana DAVID, Nicolai PETKOV and Christos N. SCHIZAS</i>
	The Digital Microscopy in Organ Transplantation: Ergonomics of the Tele-Pathological Evaluation of Renal and Liver Grafts <i>Constantinos S. MAMMAS, Andreas LAZARIS, Georgia KOSTOPANAGIOTOU, Chryssa LEMONIDOU and Eustratios PATSOURIS</i>	Data Warehouse Design from HL7 Clinical Document Architecture Schema <i>Fabrizio PECORARO, Daniela LUZI and Fabrizio L. RICCI</i>
10:30 - 11:15	Keynote 4	
	Title: Privacy and Data Protection in Healthcare: eHealth for All Invited Speaker: Professor Christos Schizas <i>Chair: Arie Hasman</i>	
11:15 - 11:45	Coffee Break - Poster Session	

	Session 7 - Public Health Informatics and Social Media	Session 8 - Healthcare IT
	<i>Chair: Marianna Diomidous</i>	<i>Chair: Arie Hasman</i>
	#DigitalHealth: Exploring Users' Perspectives through Social Media Analysis <i>Soroosh AFYOUNI, Ahmed E. FETIT and Theodoros N. ARVANITIS</i>	Multiprocessor Neural Network in Healthcare <i>Zoltán Attila GODÓ, Gábor KISS and Dénes KOCSIS</i>
	Exploring the Role of Twitter in Promoting Women's Health in the Arab World: Lessons Learned <i>Salwa BAHKALI, Ahmad ALMAIMAN, Nahla ALTASSAN, Sarah ALMAIMAN, Mowafa HOUSEH and Khaled ALSURIMI</i>	AppFactLib – A Concept for Providing Transparent Information about Health Apps and Medical Apps <i>Tobias JUNGNICKE, Ute VON JAN and Urs-Vito ALBRECHT</i>
11:45 - 13:15	Facebook and Health Information: Content Analysis of Groups Related to Schizophrenia <i>Christina ATHANASOPOULOU and Evanthia SAKELLARI</i>	Understanding and De-risking the Dependencies between Operator and Manufacturer of Clinical IT <i>George DESPOTOU, Theodoros N. ARVANITIS and Sean WHITE</i>
	A Social Media Campaign to Promote Breastfeeding among Saudi Women: A Web-based Survey Study <i>Salwa BAHKALI, Nora ALKHARJY, Maryam AIOWAIRDY, Mowafa HOUSEH, Omar DA'AR and Khaled ALSURIM</i>	Assessing Greek Public Hospitals' Websites <i>Maria TSIRINTANI and Spyros BINIORIS</i>
	eHealth in Saudi Arabia: Current Trends, Challenges and Recommendations <i>Khaled ALSULAME, Mohamed KHALIFA and Mowafa HOUSEH</i>	<i>Developing an Institutional Repository of Digital Health Information Content</i> <i>Aikaterini KOLOKATHI and John MANTAS</i>
	Building a Culture of Health Informatics Innovation and Entrepreneurship: A New Frontier <i>Mowafa HOUSEH, Riyad ALSHAMMARI, Mariam ALMUTAIRI, Amr JAMAL and Saleh ALSHOAIB</i>	A Decision Support System Platform for Spatial Epidemiology <i>Stelios ZIMERAS, Aggelos MECHILI and Marianna DIOMIDOUS</i>
13:15 - 14:15	Lunch Break	
	Keynote 5	
14:15 - 15:00	Title: Cancer Informatics for the Discovery of Imaging Biomarkers Invited Speaker: Professor Theodoros Arvanitis, University of Warwick, UK Chair: John Mantas	

	Session 9 - Health Informatics and Health Information Management	Session 10 - Healthcare Management and E-learning
	<i>Chair: George Demiris</i>	<i>Chair: Patrick Weber</i>
15:00 - 16:30	Innovative Information Systems in the Intensive Care Unit, King Saud Medical City in Saudi Arabia <i>Nouf AL SALEEM and Abdulrahman AL HARTHY</i>	Greece Financial Crisis and Quality of Life Aggelos E. MECHILI, Athena KALOKAIRINOY, Dafni KAITELIDOU and Marianna DIOMIDOUS
	A Proposed Framework to Enrich Norwegian EHR System with Health-trusted Information for Patients and Professionals <i>Stathis Th. KONSTANTINIDIS, Per Egil KUMMERVOLD, Luis Fernandez LUQUE and Lars Kristian VOGNILD</i>	Staffing and Educational Level of Military Hospital per Staffing and Educational Level of Military Hospital Personnel in Relation to Patients' Satisfaction from the Provided Health Care Services Theodoros TRACHANATZIS, Aggelos E. MECHILI and Marianna DIOMIDOUS
	Serious Games for Home-based Stroke Rehabilitation <i>Raoul FRIEDRICH, Patrick HIESEL, Sebastian PETERS, Daniel P. SIEWIOREK, Asim SMAILAGIC and Bernd BRÜGGE</i>	The Empowerment of Patients with Mental Conditions and Addictions through e-Health Giorgos NAKOS, Andrianna MAGITA, Aggelos E. MECHILI, Marianna DIOMIDOUS and John MANTAS
	Real-Time Classification of Exercise Exertion Levels Using Discriminant Analysis of HRV Data <i>In cheol JEONG and Joseph FINKELSTEIN</i>	Net Generation's Learning Styles in Nursing Education Eleni CHRISTODOULOU and Athina KALOKAIRINOY
	Taming Big Data: An Information Extraction Strategy for Large Clinical Text Corpora <i>Adi V. GUNDLAPALLI, Guy DIVITA, Marjorie E. CARTER, Andrew REDD, Matthew H. SAMORE, Kalpana GUPTA and Barbara TRAUTNER</i>	An e-Learning Approach to Hospital Information Systems <i>Ioannis MINOU and John MANTAS</i>
	Nora: A Vocabulary Discovery Tool for Concept Extraction <i>Guy DIVITA, Marjorie E. CARTER, B.S. Begum DURGAHEE, Warren E. PETTEY, Andrew REDD, Matthew H. SAMORE and Adi V. GUNDLAPALLI</i>	
	16:30 - 17:00	Coffee Break
17:00 - 17:45	Keynote 6	
	Title: An Introduction to Structural Equation Modeling Invited Speaker: Professor Arie Hasman <i>Chair: Mowafa Huseh</i>	
17:45 - 18:30	Closing Ceremony LOC and SPC Chairs Addresses	
19:00	Social Event	

	Poster Session (*) <i>Chair: Rolf Engelbrecht</i>
	Information System for Nursing Handover <i>Dimitrios TSOROMOKOS, Zacharias DERMATIS and Athina LAZAKIDOU</i>
	Electronic Health Record with Narrative and Structured Information <i>Jana ZVÁROVÁ, Karel ZVÁRA, Karel CHLEBORÁD, Marie TOMEČKOVÁ and Tatjana DOSTÁLOVÁ</i>
	Utilizing Geographical Information Systems in Healthcare <i>D. TSOROMOKOS, F. GOZADINOS, N. TSALOUKIDIS and A. LAZAKIDOU</i>
	Changes in Perception of Safety Climate and Medication Error Reporting by Korean Nurses Over Three Years <i>Eunjoo LEE</i>
	Utilizing Geographical Information Systems to Manage Hospital Infections <i>F. GOZADINOS, D. TSOROMOKOS, N. TSALOUKIDIS, A. KONSTANTINOPOULOU and A. LAZAKIDOU</i>
	Korean Nurses' Definition of and Response to Medication Errors and Reasons for not Reporting <i>Eunjoo LEE and Eunsook CHOI</i>
	Organizational Commitment and Job Satisfaction in Greek Hospitals <i>A.KONSTANTINOPOULOU, D.TSOROMOKOS, S.ILOUDI, A. LAZAKIDOU and P.PREZERAKOS</i>
	Semantic Interoperability in the PERSSILAA Platform for Older Adults Frailty Screening <i>J. SOLANA, F. GARATE-BARREIRO, E. HERNANDO and E.J. GOMEZ</i>

(*) *To be presented during coffee breaks*