

ICIMTH 2016
1st-3rd July, 2016
Hotel Divani Palace Acropolis, Athens, Greece

DAY 1: Friday, 1 July, 2016	
	ROOM "Erechthion"
10:30 - 18:00	Conference Registration
11:00 - 12:30	Tutorial Health Economic Markov Modelling Using Spreadsheet Software <i>Wendelin SCHRAMM</i>
12:30 - 14:00	Workshop HL7 Greece - HL7 CDA R2 (ISO/HL7 27932:2009) Document Standard as a Widespread Solution for Clinical Information Exchange, Development and Functional Considerations <i>Alexander BERLER, Nikos KYRIAKOULAKOS, Emmanouil G. SPANAKIS, Eleutherios THIREOS and Haralampos KARANIKAS</i> <i>Chair: Alexander Berler</i>
	Opening Session
14:00 - 14:45	Keynote 1 Digitally-enabled Integrated Care: A Health Informatics Perspective Professor Theo ARVANITIS Institute of Digital Healthcare, WMG, University of Warwick, Coventry, United Kingdom <i>Chair: Arie Hasman</i>
14:45 - 15:30	Lunch Break
	Session 1 - E-learning and Education
	<i>Chair: Athina Kalokerinou</i>
15:30 - 16:30	Serious Game Co-design for Children with Type 1 Diabetes <i>Taridzo CHOMUTARE, Svein-Gunnar JOHANSEN, Gunnar HARTVIGSEN and EirikÅRSAND</i>
	Evaluation of Dynamic Changes in Rating of Russian Information Sources of Medical Education Sites <i>Irina V. VASILYEVA and Sergey B. ARSENIIEV</i>
	Various Cinematic Forms of Educational Videos about the Physical Examination – are there Differences in the Evaluation by Medical Students? <i>Marianne BEHRENDTS, Gerald STILLER, Agnieszka DUDZINSKA and Sabine SCHNEIDEWIND</i>
	Evaluation of a Video-based Intervention to Promote Condom Use among College Students in Taiwan <i>Yu-Ju LIN, Chiu- Hsiang LEE, Chi-Chang CHANG and Chia-Hsuan LIN</i>
16:30 - 17:00	Coffee Break
	Keynote 2
17:00 - 17:45	National Library of Greece, Open Libraries, Open Linked Data. Some Principles. Dr. Filippos TSIMPOGLOU National Library of Greece <i>Chair: John Mantas</i>
18:00 - 21:30	Social Event - A Visit to the National Library of Greece and to SNFCC

DAY 2: Saturday, 2 July, 2016

ROOM "Erechthion"

Session 2 - Biomedical Technology

Chair: Mowafa Househ

Gesture Interaction Browser-Based 3D Molecular Viewer
Ioan VIRAG, Lăcrămioara STOICU-TIVADAR and Mihaela CRIȘAN-VIDA

Telemedicine Systems in Uterine Transplant: A Feasibility and Reliability Study of the Pre-Grafting Teleradiological Evaluation of the Uterus Graft
Constantinos S. MAMMAS, George SAATSAKIS, Loukia POULOU, Panagiotis TOULAS and Demetrios CHASIAKOS†

The Challenges of Balancing Safety and Security in Implantable Medical Devices
Konstantinos KATZIS, Richard W. JONES and George DESPOTOU

Towards Realizing Benefits of Information Technology in Organ Transplant: a Review
Parviz RASHIDIKHAZAEI, Habibollah PIRNEJAD, Jamshid BAGHERZADEH and Zahra NIAZKHANI

PlateRunner: A Search Engine to Identify EMR Boilerplates
Guy DIVITA, T. Elizabeth WORKMAN, Marjorie E. CARTER, Andrew REDD, Matthew H. SAMORE and Adi V. GUNDLAPALLI

Customized Monitoring and Interaction Devices in Virtual Environments for Upper Limb Rehabilitation after Brain Injury
Julio ONTIVEROS-RAVELL, Fernando MOLINA, Maria ALMENARA-MASBERNAT, Ignasi SORIANO, Eloy OPISSO, M. Elena HERNANDO, Josep Maria TORMOS, Josep MEDINA and Enrique J. GÓMEZ

11:00 - 11:30

Coffee Break

Keynote 3

11:30 - 12:15

An Introduction to Measures for Reliability and Intraclass Correlations

Professor Arie HASMAN

University of Amsterdam, The Netherlands

Chair: Enrique J. Gomez

	ROOM "Erechthion"
	Session 3 - mHealth and Telemedicine
	<i>Chair: Reinhold Haux</i>
	mHealth Apps and Their Risks –Taking Stock <i>Urs-Vito ALBRECHT and Ute VON JAN</i>
	Apps for Research and Research With Apps – Taking Inventory <i>Ute VON JAN and Urs-Vito ALBRECHT</i>
12:15 - 13:45	Identifying Dyscalculia Symptoms Related to Magnocellular Reasoning Using Smartphones <i>Greger Siem KNUDSEN and Ankica BABIC</i>
	Show-Me ECHO:Complex Disease Care Capacity-Building Telehealth Program <i>Mirna BECEVIC, Rachel MUTRUX and Karen EDISON</i>
	Evaluation of mHealth Applications Quality Based on User Ratings <i>Evgenii PUSTOZEROV, Ute VON JAN and Urs-Vito ALBRECHT</i>
	Evaluation of mHealth Applications Security Based on Application Permissions <i>Evgenii PUSTOZEROV, Ute VON JAN and Urs-Vito ALBRECHT</i>
13:45 - 14:30	Lunch Break

	ROOM "Erechthion"	ROOM "Aristotelis B"
14:30 - 16:00	Session 4 - Formalisation of Knowledge, Ontologies, Clinical Guidelines and Standards of Healthcare	Pitch Session A
	<i>Chair: George Demiris</i>	<i>Chair: Rolf Engelbrecht</i>
	Using Event Trees to Inform Quantitative Analysis of Healthcare Services <i>George DESPOTOU, Richard W. JONES and Theodoros N. ARVANITIS</i>	Short Communication Papers and Posters Presentations
	Detecting Duplicates at Hospital Admission: Comparison of Deterministic and Probabilistic Record Linkage <i>Andreas WALDENBURGER, Daniel NASSEH and Jürgen STAUSBERG</i>	
	A BioPortal-based Terminology Service for Health Data Interoperability <i>Lei ZHAO, Sarah N. LIM CHOI KEUNG and Theodoros N. ARVANITIS</i>	
	<i>Classification of Health Related Applications</i> <i>Matthias HÖHN, Ute VON JAN, Theodor FRAMKE and Urs-Vito ALBRECHT</i>	
	Ontological Model for EHR Interoperability <i>Zahra BOUANANI-OUKHALED, Christine VERDIER, Sophie DUPUY-CHESSA, Karan FOULADI and Laurent BREDA</i>	
	Converting Text to Structured Models of Healthcare Services <i>George DESPOTOU, Nicholas MATRAGKAS and Theodoros N. ARVANITIS</i>	
16:00 - 17:00	Panel Historical Aspects of Medical Informatics in Europe Speakers: Rolf Engelbrecht and John Mantas Co-Chairs: Arie Hasman and Izet Masic	
17:00 - 17:30	Coffee Break	
17:30 - 18:15	Keynote 4	
	My Home is My Hospital on Recent Research on Health-Enabling Technologies Professor Reinhold HAUX University of Braunschweig - Institute of Technology and of Hannover Medical School, Germany <i>Chair: George Demiris</i>	

	ROOM "Erechthion"	ROOM "Aristotelis B"
	Session 5 - Health Informatics	Session 6 - Health Information Management and Quality Control
	<i>Chair: Reinhold Haux</i>	<i>Chair: Izet Masic</i>
	Wellbeing Understanding in High Quality Healthcare Informatics and Telepractice <i>Rodolfo A. FIORINI, Piero De GIACOMO and Luciano L'ABATE</i>	A Health Informatics Approach to Understanding the Discharge Process <i>Timothy David ROBBINS, Theodoros N. ARVANITIS and Andrew STEIN</i>
18:15 - 19:00	Finding 'Evidence of Absence' in Medical Notes: Using NLP for Clinical Inferencing <i>Marjorie E. CARTER, Guy DIVITA, Andrew REDD, Michael A. RUBIN, Matthew H.SAMORE, Kalpana GUPTA, Barbara W.TRAUTNER and Adi V. GUNDLAPALLI</i>	Software Quality Evaluation Models Applicable in Health Information and Communications Technologies. A Review of the Literature <i>Alberto VILLAMOR ORDOZGOITI, Pilar DELGADO HITO, Eva María GUIX COMELLAS, Carlos Manuel FERNANDEZ SANCHEZ, Milagros GARCIA HERNANDEZ and Teresa LLUCH CANUT</i>
	Overcoming Constraints in Healthcare with Cloud Technology <i>Anežka HUCÍKOVÁ and Ankica BABIC</i>	Concepts for Quality Assurance of Health Related Apps <i>Uta HILLEBRAND, Ute VON JAN and Urs-Vito ALBRECHT</i>
19:30 - 22:30	Gala Dinner	

DAY 3: Sunday, 3 July, 2016

ROOM "Erechthion"		
10:30 - 11:15	Keynote 5	
	Evaluation of Scientific Journal Validity, It's Articles and Their Authors Professor Izet MASIC University of Sarajevo, Bosnia and Herzegovina <i>Chair: Lăcrămioara Stoicu-Tivadar</i>	
11:15 - 11:45	Coffee Break	
ROOM "Erechthion"	ROOM "Aristotelis B"	
11:45 - 13:15	Session 7 - Clinical Informatics	Session 8 - Health Informatics
	<i>Chair: Arie Hasman</i>	<i>Chair: Rolf Engelbrecht</i>
	PROSIT Open Source Disease Models for Diabetes Mellitus Wendelin SCHRAMM, Fabian SAILER, Monika POBIRUCHIN and Christian WEISS	Mobile Technologies in Healthcare and Electronic Health Records <i>Maria TSIRINTANI</i>
	Play and Learn: Developing a Social Game for Children with Diabetes <i>Taridzo CHOMUTARE, Svein-Gunnar JOHANSEN, EirikÅRSAND and Gunnar HARTVIGSEN</i>	Design of an Innovative Information System for the Intensive Care Unit in a Public Hospital <i>Dimitrios TSOROMOKOS, Nikolaos TSALOUKIDIS, Zacharias DERMATIS, Filippos GOZADINOS and Athina LAZAKIDOU</i>
	Life Saving Apps: Linking Cardiac Arrest Victims to Emergency Services and Volunteer Responders <i>Sarah N. LIM CHOI KEUNG, Mohammed O. KHAN, Christopher SMITH, Gavin PERKINS, Paddie MURPHY and Theodoros N. ARVANITIS</i>	Evaluating Open-Source Full-Text Search Engines for Matching ICD-10 Codes <i>Daniel-Alexandru JURCĂU and Vasile STOICU-TIVADAR</i>
	Mobile Clinical Decision Support Systems in Our Hands – Great Potential but also a Concern <i>Izet MASIC and Edin BEGIC</i>	Exploring Lab Tests Over Utilization Patterns Using Health Analytics Methods <i>Mohamed KHALIFA, Ibrahim ZABANI and Parwaiz KHALID</i>
	Root Cause Analysis and Health Informatics <i>Richard W. JONES and George DESPOTOU</i>	Examine Trustiness of Medical Information through Social Networks Using Path Models <i>John PISTOLIS, Marianna DIOMIDOUS, Stelios ZIMERAS, Kostis CHARDALIAS and George FILNTISIS</i>
	Employing Data from Diagnosed Patients for Undiagnosed Type 2 Diabetes Detection <i>Noushin HAJAROLASVADI, Ghazaal SHEIKHI and Hakan ALTINÇAY</i>	
13:15 - 14:00	Lunch Break	

	ROOM "Erechthion"	ROOM "Aristotelis B"
	Session 9 - Health Informatics and Health Information Management	Pitch Session B
	<i>Chair: Mowafa Househ</i>	<i>Chair: Marianna Diomidous</i>
14:00 - 15:30	'Schizophrenia' on Twitter: Content Analysis of Greek Language Tweets <i>Christina ATHANASOPOULOU and Evanthia SAKELLARI</i>	Short Communication Papers and Posters Presentations
	The Prevalence of Internet and Social Media Based Medication Information Seeking Behavior in Saudi Arabia <i>Salwa BAHKALI, Suha ALFURIH, Maha ALDREMLY, Ma'an ALZAYYAT, Khaled ALSURIMI and Mowafa HOUSEH</i>	
	Using Health Map to Analyse Middle East Respiratory Syndrome (MERS) Data <i>Nassif HOSSAIN and Mowafa HOUSEH</i>	
	Model-based Individualized Treatment of Chronic Granulomatous Disease <i>Fang-Ching LIU and Chi-Chang CHANG</i>	
	Improving Utilization of Clinical Decision Support Systems by Reducing Alert Fatigue: Strategies and Recommendations <i>Mohamed KHALIFA and Ibrahim ZABANI</i>	
	Developing Emergency Room Key Performance Indicators: What To Measure And Why Should We Measure It? <i>Mohamed KHALIFA and Ibrahim ZABANI</i>	
15:30 - 16:00	Coffee Break	
	Keynote 6	
16:00 - 16:45	Consumer Health Informatics the Era of Precision Medicine Professor George DEMIRIS University of Washington, USA <i>Chair: John Mantas</i>	
16:45 - 17:15	Closing Ceremony LOC and SPC Chairs Addresses	
17:30 - 20:30	Social Event	

Pitch Session A Presentations	
<i>Chair: Rolf Engelbrecht</i>	
Improving Health Care Accessibility: Strategies and Recommendations <i>Lamia ALMORSY and Mohamed KHALIFA</i>	
Exploring Overtime Utilization Patterns in Healthcare Organizations <i>Lamia ALMORSY and Mohamed KHALIFA</i>	
Rare Dermatologic Disease Management via Telehealth Guided Practice Model <i>Mirna BECEVIC, Hal LEWIS, Dyann HELMING, Danny MYERS, Rachel MUTRUX and Karen EDISON</i>	
Nursing Management Software Evaluation, ISO/IEC-25000 Based, in Barcelona Hospitals <i>Alberto VILLAMOR ORDOZGOITI, Pilar DELGADO HITO, Eva María GUIX COMELLAS, Carlos Manuel FERNANDEZ SANCHEZ, Carlos Alberto GARCIA ORUS and Teresa LLUCH CANUT</i>	
Nurse Managers' Perceptions of Management Information Technologies <i>Alberto VILLAMOR ORDOZGOITI, Pilar DELGADO HITO, Eva Maria GUIX COMELLAS, Carlos Manuel FERNANDEZ SANCHEZ, Elena SALAS MARCO, and Teresa LLUCH CANUT</i>	
Use of EHR Integration to Enable Multi-Center Patient Recruitment for Clinical Trials <i>Bariş ERDOĞAN and Tigran ARZUMANOV</i>	
Measuring Quality of Life in the Elderly Using GIS Technology <i>Zacharias DERMATIS, Dimitrios TSOROMOKOS, Nikolaos TSALOUKIDIS, Georgia ZACHAROPOULOU and Athina LAZAKIDOU</i>	
E-learning in Basic Life Support (BLS) <i>Nikolaos TSALOUKIDIS, Dimitrios TSOROMOKOS, Zacharias DERMATIS, Filippos GOZADINOS, Vasiliki MICHOPLOU and Athina LAZAKIDOU</i>	
Geographical Recording and Distribution of Trainers and Trainees in Basic Life Support (BLS) Using Geographic Information Systems <i>Nikolaos TSALOUKIDIS, Dimitrios TSOROMOKOS, Zacharias DERMATIS, Filippos GOZADINOS, Vasiliki MICHOPLOU and Athina LAZAKIDOU</i>	
Pitch Session B Presentations	
<i>Chair: Marianna Diomidous</i>	
A Web based Smart System for Enhancing the Efficiency and Safety of Surgical Operation <i>Myon Woong PARK, Jae Kwan KIM and Soo-Hong LEE</i>	
Applications and Developments of Telemedicine in Greece <i>Vasileios TSIUMANIS, Andrianna MANGITA and Marianna DIOMIDOUS</i>	
Smoking Cessation: Services and Applications for Mobile Devices <i>Antonios KEFALIAKOS, Ioannis PLIAKOS, Kostis CHARDALIAS, Martha CHARALAMPIDOU and Marianna DIOMIDOUS</i>	
Virtual Reality in the Rehabilitation of Patients with Neurological Disorders <i>Antonios KEFALIAKOS, Ioannis PLIAKOS, Panagiotis KIEKKAS, Martha CHARALAMPIDOU and Marianna DIOMIDOUS</i>	
Nurses Attitudes Towards Computerization in Hospital Archbishop Makarios III <i>Antonis STYLIANIDES, Edna YAMASAKI and Zoe ROUPA</i>	
Presentation of an Electronic Registry of Patients with Cystic Fibrosis in Greece <i>Lamprini VARITI</i>	
Picture Archiving and Communication System (PACS) Installation in Greek Public Hospital and Resistance to Change <i>Eleni KOSTOPOULOU, Lamprini VARITI, Vasilis GEORGAKIS and Dimitra MITSI</i>	