

EMMIT 2009

EURO-MEDITERRANEAN MEDICAL INFORMATICS and TELEMEDICINE

5th International Conference

October 16-18, 2009
Hotel - Dieu de France - Beirut (Lebanon)

EMMIT@ssociation

promoted by



HOTEL-DIEU DE FRANCE
Centre Hospitalier et Universitaire

Under the Patronage of the Ministry of Health



الجمهورية اللبنانية
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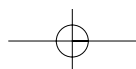


Lebanon Ecological Society



**World Health
Organization**

Regional Office for the Eastern Mediterranean



PROGRAM

Friday, October 16

h.08.30-09.30: Participants Registration**h 09.30 Opening Ceremony and Welcome Addresses**

Johnny Heubri (Hotel Dieu de France, Beirut - Chairman of Organizing Committee)
Francesco Sicurello (Chairman of EMMIT, Universities of Milan Bicocca and Insubria - Como)
Joseph Otayek (General Manager of Hotel Dieu de France, Beirut)
Representatives of Local and National Authorities
Ministry of Health

h 10.30 Scientific Lectures (chairs: Zouheir El Imad – Ain Wazein Hospital Lebanon; Y. Yagi, Harvard Medical School, Boston, USA)

- **eHealth: a global perspective and responsibility;** Najeeb Al Shorbaji (Director of IER/KMS,WHO, Geneva)
- **How computers can save patients' lives: computers in ICU;** Bernard Richards (University of Manchester, UK)
- **e-Health survey in Lebanon ;** Hossam Chammaa (IT Dept. EMRO/WHO regional office in Beirut - Lebanon)
- **Telecom Regulatory Aspects of e-Health;** Imad Y. Hoballah (Telecommunications Regulatory Authority, Republic of Lebanon)
- **Broadband projects and their implication in Health;** Fadi Moubarak (General Manager of Cisco Middle East, Beirut - Lebanon)
- **Telemedicine and e-Health in Eastern Mediterranean Region: Digital Gaps and Economic Obstacles;** Mohammed Abd-Allah (Ex. Senior Advisor for ITU, Regional office for Arab States - Cairo)
- **Integration of Medical Informatics and Telemedicine Systems within and between Mediterranean Countries;** Francesco Sicurello (Chairman of EMMIT, Universities of Milan Bicocca and Insubria - Como)

h 12.45 Lunch Break**h 14.00 – 15.45 The challenges of Today Medicine and the role of ICT in Healthcare (Chairs: N. Al Shorbaji, Director IER/KMS,WHO, Geneva; M. Abd-Allah, Ex. ITU Senior Advisor)**

- **Pandemic H1N1 2009: Global and Regional Overview;** John Jabbour (Communicable Disease Surveillance, Forecast and Response Unit, Regional Office for the Eastern Mediterranean - WHO, Cairo Egypt)
- **Ageing and Disability;** Angela Di Tommaso (Fondazione Tommaso Campanella , Catanzaro, Italy)
Vision for enhance e health care delivery; Khalddoun Al Achkar (Rafik Hariri University Hospital, Lebanon)
- **Deployment of the NETC@RDS Service: a new step towards the electronification of the European Health Insurance Card;** I. Pagkalos, S. Kortesis, G. Pangalos (University of Thessaloniki, Thessaloniki Greece), M. Hassapidou (Alexander Technological Educational Institution of Thessaloniki, Thessaloniki, Greece)
- **GRID Technology and Global e-Health: Supercomputers in Service-Oriented Grid for Everyday Healthcare Practice;** Alexey Zhuchkov (Telecommunication Center "UMOS", Moscow, Russia), Nikolay Tverdokhlebov, Elena Koldaeva (Institute of Chemical Physics of the Russian Academy of Sciences, Moscow Russia)
- **TelEyeCare – Telemonitoring system for eye diseases;** Francesco Sicurello (Chairman of EMMIT), Alessandro Donzelli (AITIM, University Technological Centre of Desio – Italy)

h 15.45 Coffee Break**h 16.00 – 17.45 Telemedicine and Telecare Systems and Services (Chairs: A. Di Tommaso, Campaella Foundation, Italy; Gerard Abadjian, Hotel Dieu de France, Beirut, Lebanon.)**

- **The Telemedicine Logistics in the Beirut Central Military Hospital;** Major Edgard Traboulsi (Central Military Hospital, Beirut-Lebanon)
- **Telepathology in Egypt and in the cooperation with other countries;** Essam Ayad (Italian Hospital Umberto I in Cairo and University of Cairo – Egypt)
- **Teleconsultation and E-Learning to improve Child Health Care in Remote Areas of Egypt; Joint Pilot Project in Siwa Oasis;** Khaled. Shams (EMRO/WHO, Cairo, Egypt)
- **How I introduced telemedicine on my island;** Anamarija Margan (Internal Medicine Office – The Virtual Polyclinic Mali Losinj, The School of Medicine University of Zagreb, Croatia - International Scientific Council for Island Development Paris, France)
- **Telemedicine for health-care cooperation with Balkan area;** A. Taddei, T. Carducci, E. Rocca ("G.Monasterio" CNR / Tuscany Region Foundation "G. Pasquinucci" Heart Hospital, Massa); N. Assantez, B. Murzi (CNR-ICP, Massa); G. Ricci ("Cuore un Mondo" Association, Massa); S. Bajic (Pediatric Dept. Clinical Centre, Banja Luka, BIH); V. Ahel (Pediatric Dept. Clinical Centre, Rijeka, HR)
- **Steps towards Establishing Telemedicine Center in Palestine;** Shadi Nabil Albarqouni (Nasser Pediatric Hospital, Ministry of Health, Gaza) *Video-conference from Gaza Strip-Palestine.*

h 17.45 Assembly of EMMIT@ssociation

Saturday, October 17

h 9.00-10.45 Multimedial data bases and hospital information systems (Chairs: J. Jabbour, EMRO-WHO; Essam Ayad, Italian Hospital Umberto I, Cairo Egypt)

- **Whole Slide Imaging in Clinical Environments and is Effective for Clinical and Clinical Research Use at Massachusetts General Hospital;** Yukako Yagi (Harvard Medical School, Boston, USA)
- **Experience of Rassoul Al-Azam Hospital for "pre implementing the PACS system";** Hussein Kheir Deen (Rassoul Al-Azam Hospital, Beirut Lebanon)
- **PACS: The pay per use experience;** Johnny Heubry (Hotel Dieu de France, Beirut Lebanon)
- **Echocardiography and ICT applications;** Ennio Amori, Paride Lambertini (University Hospital of Parma, Italy)
- **Challenges of Technology Transformation and Implementation of Hospital Management Information System;** A. Abyad, (Co-Chair, Middle East Congress on Age & Ageing & Alzheimer's, Social Services Association)
- **BizTalk 2006 Overview and Features;** Pierre Lahoud (Bankers Assistance- Beirut- Lebanon)

h 10.45 Coffee Break

h11.00 - 12.45 Medical Information Systems and Health Activities (Chairs: Nassar Al Achkar, Rafic Hariri Foundation, Lebanon; Jan Vejvalka, Charles University of Prague Czech Republic)

- **"Event-Driven" Health Care Information System;** Aldo Franco Dragoni (Politecnica University Marche, Ancona Italy), D. Faina (DIIGA), G. Giampieri (ASUR Zona Territoriale 7, Ancona Italy)
- **Improving quality in healthcare by using HMIS;** Nouredine El Kouche, Nassar al Achkar (Rafik Hariri Foundation, Lebanon)
- **Outsourcing digitized Medical Data development: Risk and security issues that health Institutions' management should address;** Nabil I Atallah (Faculty of Medicine ,St Joseph University; Beirut-Lebanon)
- **Project 2020 – Design of the Future Medical Working;** G. Graschew, T. Roelofs, S. Rakowsky, P.M. Schlag (Charité - University Medicine of Berlin, Berlin Germany)
- **Nurses attitude toward computerization in Lebanese Teaching Hospital;** Nairy Badjaksezian (Hotel Dieu De France, Beirut - Lebanon)
- **Hardiness -vs- Alienation Linked to Medical Staffs Costly e-Errors;** A. Dellaporta, A. Palaiologou (Regional Health System of West Greece, General Hospital of Kefalonia Island, Greece)

h 12.45 Lunch Break

h 14.00- 15.45 Ontologies in Medicine and Decision Support Systems (Chairs: Salah El-din Mohammed Badr, National Information Health, Cairo - Egypt; Nikolay Tverdokhlebov, Russian Academy of Sciences, Moscow - Russia)

- **MEDIGrid: Procedural Interoperability and Semantics of Health-related Data;** Jan Vejvalka (Charles University of Prague – Czech Republic)
- **Ontological Modelling of Therapies for the ONCOCURE Project;** Claudio Eccher (FBK-irst, Trento, Italy) , Antonella Ferro (Medical Oncology Unit, S. Chiara Hospital, Trento, Italy) and Domenico M. Pisanelli (CNR-Institute of Cognitive Science and Technologies, Rome, Italy)
- **Modeling of Partitive Relations of the Obr-Scolio Application Ontology Using Sep Triplet Methodology;** Vanja Lukovic, Danijela Milošević, Goran Devedžić (University of Kragujevac, Serbia)
- **System operating in the field of medical decision, as a basis for monitoring and evaluating the health of the pregnant women and of the fetus;** R. Antohi (IPA SA Bucuresti, Romania), C. Ogescu1 (ITC SA) , D. Bistriceanu (IPA SA Bucuresti), L. Stefan1, (ITC SA) , S. Dumitru (ITC SA)
- **A Rule-based Approach to Processing SPECT Imaging for the Diagnosis of Heart Disease;** Kenneth Revett (University of Westminster, London, UK), Abdel-Badeeh M. Salem (Ain Shams Univ, Egypt), Florin Gorunescu (Craiova University, Craiova, Romania)
- **A Knowledge Discovery Model for Veterinarian Telemedicine Cases;** Nevine Labib (Sadat Academy for Management Sciences, Cairo Egypt), Adel Ibrahim (CTO of United Countries, Rayad - South Arabia)

h. 15.45 Coffee Break

h. 16.00 – 17.45 Artificial Intelligence and Data Analysis (AIDA) in Health Care and Virtual Realty

(Chairs: Abdel-Badeeh M. Salem, Ain Shams University, Cairo, Egypt; Aldo F. Dragoni, Politecnica University of Marche)

- **Usage of Artificial Intelligent Technology in Healthy Food Planning for People with disabilities;** Francesco Sicurello (Chairman of EMMIT, PTUDesio-Italy), Abdel-Badeeh M. Salem (Coordinator - Ain Shams University, Cairo-Egypt), De Luca Anna Rita and Urbano Stenta (Ministry of Foreign Affairs, Rome - Italy) Tomaz Amon (Centre for Scientific Visualization Gorazdova, Ljubljana – Slovenia), Kenneth Revett (University of Westminster, London, UK)
- **Authoring of Educational Visualizations by Educators Themselves – New Tools Make this Possible;** Tomaz Amon (Centre for Scientific Visualization Gorazdova, Ljubljana – Slovenia)
- **Integration of clinical data bases and statistical data analysis;** Francesco Sicurello (Chairman of EMMIT), Alessandro Donzelli and Michaela Guendel (@ITIM/PTUD, Italy), Marilena Teseleanu (EMMIT@, Romania)
- **Graphical User Interface Using Matlab For Ecg Diagnostic;** Mohammad Ayache, Nader Zein (Islamic University of Lebanon)
- **Bladder Volume Detector Using Ultrasound Method: Non Invasive Approach;** Mohammad Ayache, Joumana Hajj Hassan, Fatima Haydar (Islamic University of Lebanon)
 - **An Ubiquitous smart home & Medication Dispensing System for elderly using RFID** Wasim Raad (King Fahd University of Petroleum et Minerals – Dhahran, Saudi Arabia)

h 20.30 Social Dinner

Sunday, October 18

h. 9.00 – 11.00 Parallel Tutorials

Tutorial 1

-Electronic Medical Records and Introduction to health informatics and telemedicine fundamentals
(Teachers: F. Sicurello, M. Abd-Allah, E. Ayad, Y. Yagi)

Tutorial 2

-RIS/PACS and HIS Integration
(Teachers: J. Heubry, N. Esseily, R. Levastre)

h 11.15 – 23.45 Social event

Scientific Committee

Chairman: Francesco Sicurello (Technological Centre Desio, Univ. of Milan Bicocca, Univ. Insubria-Como)

<i>Mohammed Abd-Allah (Egypt)</i>	<i>Wajciech Glinkowski (Poland)</i>	<i>George Pangalos (Greece)</i>
<i>Ismail Alaoui, WHO EMRO (Morocco)</i>	<i>Riadh Gouider (Tunisia)</i>	<i>Immacolata Pannone (Italy)</i>
<i>Najeeb Al-Shorbaji (WHO, Geneve)</i>	<i>Georgi Grasczew (Germany)</i>	<i>Simion Pruna (Romania)</i>
<i>Ennio Amori (Italy)</i>	<i>Antoine Haddad (Lebanon)</i>	<i>Issam Rassi (Lebanon)</i>
<i>Demetrios Andreopoulos (Cyprus)</i>	<i>Bajram Hysa (Albania)</i>	<i>Abdel-Badeeh M. Salem (Egypt)</i>
<i>Cemal Ardil (Turkey)</i>	<i>Novak Jaucokic (Montenegro)</i>	<i>Ghassan Shahrour (Syria)</i>
<i>Nassar Al Ashkar (Lebanon)</i>	<i>Bekir Karlik (Turkey)</i>	<i>Ibrahim Sherif (Libya)</i>
<i>Danika Attard (Malta)</i>	<i>Janis Keklikoglou (Greece)</i>	<i>Tony Solomonides (UK)</i>
<i>Essam Ayad (Egypt)</i>	<i>Hoda Khachan Abi Khalil (Lebanon)</i>	<i>Valery Stolyar (Russia)</i>
<i>Manana Beruchashvili (Georgia)</i>	<i>Anamarija Margan (Croatia)</i>	<i>Juseph Tamman (Italy/Syria)</i>
<i>Marcello Bracale (Italy)</i>	<i>Izet Masic (Bosnia Herzegovina)</i>	<i>Giuseppe Tritto (WABT Paris)</i>
<i>Angela Di Tommaso (Italy)</i>	<i>Polina Mihova (Bulgaria)</i>	<i>Jan Vejvalka (Czech Republic)</i>
<i>Rabab Rassi El Khoury (Lebanon)</i>	<i>Ioana Moisil (Romania)</i>	<i>Anton Vladzomyrsky (Ukraine)</i>
<i>Ahmed I. Elbousify (Libya)</i>	<i>Josè L. Monteagudo Pena (Spain)</i>	<i>Mohamed Zerroug (Algeria)</i>
<i>Zouheir El Imad (Lebanon)</i>		<i>Alexey Zhuchkov (Russia)</i>

Organizing Committee

Johnny Heubri (Lebanon) - **Chairman**

Mohamed Abdalla (Egypt), Ennio Amori (Italy), Nassar El Ashkar (Lebanon), Alessandro Donzelli (Italy), Suzanne Eid (Lebanon), Zouheir El Imad (Lebanon), Nasri Esseily (Lebanon), Najat Hatab (Lebanon), Rima Kadib (Lebanon), Hoda Khachan Abi Khalil (Lebanon), Patrizia Magretti (Italy), Hélène Mezher (Lebanon), Randa Rustom (Lebanon), Marilena Teseleanu (Romania)

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