

Digital Hospital Europe

29th - 30th November 2010, VIENNA

KEY SPEAKERS

Prof Christian Lovis
University Hospitals of Geneva
Switzerland
Professor at Unit of Clinical Informatics

Prof David Morgan
Heart of England Hospital, UK
Clinical Director

Arve-Olav Solumsmo,
St. Olav's Hospital, Norway
Public Relations Manager

Dr. Heinrich Körtke, Ruhr-
University of Bochum, Germany,
Medical Director of the Institute for
Applied Telemedicine

Prof Kari Harno
University of Eastern Finland
Prof at Department of Social and Health
Management

Kevin J. Leonard
University of Toronto, Canada
Associate Professor, Department
of Health Policy, Management and
Evaluation (HPME), Faculty of Medicine

Mungo Smith, Maap, UK
Director

Dr Femida Gwadry-Sridhar,
Recherche en Sante Lawson-
Switzerland, Executive Managing
Director and Director Health Informatics,
Lawson - Canada

Dr Allan Hanbury, Information
Retrieval Facility (IRF), Vienna,
Austria, Senior Scientific Officer
and Adjunct Professor at the Vienna
University of Technology, Austria

Prof. Dr. Henning Müller,
University of applied sciences
Western Switzerland in Sierre
Switzerland, Professor in business
information systems

Dr Theodoros N. Arvanitis
University of Birmingham, UK
College of Engineering and Physical
Sciences, Reader in Biomedical
Informatics, Signals and Systems

Vicent Trely, Hospital Center of Le
Mans, France, Information System
Director

EVENT OVERVIEW

With healthcare costs continuing to rise and with more and more operations becoming reliant on self-sufficient IT Programs, there has never been a more critical time for healthcare providers to employ IT that will lower costs, improve efficiency, and enhance patient care.

Digital Hospital Europe will provide leading CIOs and CTOs from top healthcare organizations with the platform needed to solve their key business challenges.

Through world-class keynote addresses, peer-to-peer networking, educational workshop presentations and in-depth focused panel discussions, this two-day conference will give executives the much-needed opportunity to learn, discuss, debate, and network with other leading CIOs.

YOUR PRESTIGIOUS ADVISORY PANEL

Stein Vaaler, Akershus Hospital,
Norway
Managing Director

Prof. Georges De Moor,
European Institute for health
Records (Euro Rec), Belgium,
President

Lisa Khorey, University of
Pittsburgh Medical Center, U.S.A.
Director of Interoperability

Dr Byung Chul Chang, Severance
Cardiovascular Hospital, Yonsei
University, Korea, Director

Dr Femida Gwadry-Sridhar,
Recherche en Sante Lawson-
Switzerland, Lawson Executive
Managing Director and Western
Director Health Informatics

Dr Dipak Kalra
Centre for Health Informatics
and Multi Professional
Education University College
London, UK
Professor of Health Informatics and
Director

Prof Christian Lovis
University Hospitals of Geneva,
Switzerland
Professor at Unit of Clinical
Informatics

Dr Jim Yang
Norwegian Center for
Informatics in Health & Social
Care, Norway
Head of Division

WHO WILL ATTEND?

Digital Hospital Europe is designed for IT professionals who are dedicated to the journey to excellence for their organisations.

Medical Directors, Hospital Directors, Chief Information Officers, Chief Innovation Officers, Chief Technology Officers, IT Project Managers, Chief Medical Officers, Heads of Medical Records, Heads of Business Information Systems, Medical Administrators, Heads of Medical Purchasing, Heads of Clinical Systems, Technical Directors, IT Managers, IT Directors, Heads of Support Services



Day 1 | 29th November 2010

8:30 Registration and Coffee

9:00 Opening remarks from the chair

9:10 Shared Healthcare in a Regional eHealth Network

- National policies and legislation to steer initiatives on Information sharing
- Interoperability to connect care providers regionally
- Migration to a wide-area network

Prof Kari Harno, University of Eastern Finland

Prof at Department of Social and Health Management

▶ Tele-health

9:50 Tele health in The NHS using mobile Technology

- Review of technology
- Importance of Stakeholder Input
- UK case studies
- 'More for Less' -the ROI

Prof David Morgan, Heart of England Hospital, UK
Clinical Director

10:30 Morning Coffee and Networking

11:00 Key Experts Interactive Panel discussion "Redefining Telehealth for the 21st Century Healthcare System"

- Telehealth as an important component in physician's toolbox
- How telehealth is changing delivery of care for both the provider and patient
- What initiatives you should plan to implement moving forward.

Panelists:

Prof Kari Harno, University of Eastern Finland
Prof at Department of Social and Health Management

Prof David Morgan, Heart of England Hospital, UK
Clinical Director

Dr Theodoros N. Arvanitis, University of Birmingham, UK, College of Engineering and Physical Sciences,
Reader in Biomedical Informatics, Signals and Systems

11:40 "Thrombosis Service With Telmedicine - An Example Which Really Works"

Dr. Heinrich Körtke, Ruhr-University of Bochum, Germany, Medical Director of the Institute for Applied Telemedicine

▶ Electronic Health Records (EHR & Interoperability)

12:20 Achieving syntactic and semantic interoperability of EHRs for clinical practice and research

- Introduce the current issues of knowledge representation in EHRs
- Discuss the challenges of syntactic and semantic interoperability for the design of EHRs and associated clinical and research information systems
- Present interoperability solutions based on the National Cancer Institute Enterprise Vocabulary Services on-line servers and databases (LexEVSAPI 5.0) – examples of primary/secondary care records connectivity for practice and clinical trials
- Discuss issues of security for the connectivity of heterogeneous networked EHRs and how issues of interoperability affect this.

Dr Theodoros N. Arvanitis, University of Birmingham, UK, College of Engineering and Physical Sciences,
Reader in Biomedical Informatics, Signals and Systems

13:00 Luncheon

14:30 Logistics, care and governance: a single informational process for more efficiency"

- The need for transversal and shared informational processes in hospitals to leverage resources and improve care efficiency.
- The example of the hospital information system of the university hospitals of Geneva will be taken.
- The importance of interoperability is shown, strong leadership and culture changes.

Prof Christian Lovis

University Hospitals of Geneva, Switzerland

Professor at Unit of Clinical Informatics

15:10 Knowledge translation- Integrating the electronic health record with a patient portal to enable self-management"

Patients with chronic disease often do not follow recommendations to evidence based medical management. This results in decreased medical effectiveness, a greater burden of illness and increased health care costs. Engaging patients in their care (self-management strategies) can help them understand their disease and treatment better. Technologies that integrate relevant data from an EMR through a patient accessible portal are emerging technologies. These portals can be used to elicit information from patients, provide social networking tools as well as advanced education through animation , all focused on educating patients and improving outcomes, cost-effectively

Dr Femida Gwadry-Sridhar

Recherche en Sante Lawson, Switzerland

Executive Managing Director and
Director Health Informatics-Lawson- Canada

15:50 Afternoon tea and networking

▶ Security, Privacy, and the Law for the Healthcare Industry

16:20 A security policy for hospitals and health companies

- General Security policy
- Treatment and protection of information
- Sensitizing
- Communication and reporting
- Physical Security
- Compliance with the laws and the internal rules
- The infrastructures network & telecom Security
- The applications Security
- Continuity of the activity

Vicent Trely, Hospital Center of Le Mans, France
Information System Director

17:00 Interactive Panel Discussion: Security & Privacy Considerations for a Wired Health System

- Data access and preventing breaches
- Data stewardship
- Consumer access and control
- Maintaining security during the exchange of health information data

Panelists:

Dr Femida Gwadry-Sridhar, Recherche en Sante Lawson- Switzerland, Lawson Executive Managing Director and Western Director Health Informatics, Canada

Vicent Trely, Hospital Center of Le Mans, France
Information System Director

Speakers and delegates are cordially invited to attend a

Networking Cocktail reception



Day 2 | 30th Nov 2010

8:00 Registration and Coffee

9:00 Opening Remarks from the Chair

▶ Medical Information

9:10 KHRESMOI: Toward reliable medical information search

- KHRESMOI is a European-funded project that aims to improve the access to online medical information through innovative search engine and information processing technologies.
- For medical doctors and the general public, it aims to provide trustable information at the level required by the user, using online information in journals, websites, and semantic repositories.
- For radiologists, it aims to improve the automated processing of huge radiological image sets (MRI, fMRI), enabling them to turn the flood of image data into a boon instead of a curse.

Dr Allan Hanbury, Information Retrieval Facility (IRF), Vienna, Austria, Senior Scientific Officer and Adjunct Professor at the Vienna University of Technology, Austria

Prof. Dr. Henning Müller, University of applied sciences Western Switzerland in Sierre, Switzerland, professor in business information systems

9:50 The Value of Electronic Health Information

Kevin Leonard has Crohn's disease and has had frequent and extensive interactions with the Canadian healthcare system. He is a strong believer in patient empowerment and the critical role patients play in deciding about their care in consultation and collaboration with their health providers. Through Patient Destiny Kevin is working to expand the voice of the consumer in healthcare – the patient voice. The first step is to develop an effective eHealth system where patients have access to advanced health informatics tools. In this presentation, Kevin will address the latest trends, in Canada and globally, in the development of patient-directed eHealth tools and patient-empowered access to health information.

Kevin J. Leonard, University of Toronto, Canada Associate Professor, Department of Health Policy, Management and Evaluation (HPME), Faculty of Medicine

10:30 Morning Coffee and Networking

▶ Hospital Design and IT

11:00 Creating the Greatest Patient Experience through Design and Architecture of Healthcare Facilities

- How to include patient experience from at early stages of planning for the design and architecture phase?
- Considering the use of natural sunlight, outdoor spaces for patients, rooftop gardens, incorporating nature into the hospital design, natural ventilation, patient rooms, patient flow and the patient's overall feeling of "wellness" which has been proven to decrease patient recovery time

Mungo Smith, Maap, UK, Director

11:40 Hospital Infrastructure 2.0

- State of the art: Describing the infrastructure at the new built St Olavs Hospital
- Experiences: What are the recent experiences at the hospital - for patients, personnel and hospital administrators.

Arve-Olav Solumsmo, St. Olav's hospital, Norway
Public Relations Manager

12:20 Luncheon

▶ Track and Trace

13:50 ▶ CASE STUDY RFID Technology as a competitive tool for hospitals:

- How to improve patient monitoring and safety?
- How to increase asset utilization and reduce capital costs with real-time tracking?
- How to decrease equipment rental costs?

14:30 Using Real-time Locating systems (RTLS) to overcome Today's Business Challenges in Operating room

- How RTLS technology improves the perioperative services from both a patient- flow and budget perspective?
- How to minimize the required resources cost and improve operational efficiency using RLTS?

15:10 Afternoon Tea and Networking

15:40 Innovations in WIFI Strategies to maximize the Return on Investments

- New uses for WIFI's and plans for the future
- Securing WIFI in the hospital environment
- Maximizing ROI through using WIFI

16:20 ▶ CASE STUDY Using Electronic Prescribing to reduce Medication- Related Errors

- How to overcome the resistance of adoption?
- How to engage doctors and other stakeholders in this process?
- Results of adoption of e-prescribing

17:00 Interactive Panel Discussion

How to select the right e- prescribing system for your hospital?

- How to select the right system for your environment
- How to moderate the impact of implementation in your community
- How to employ best practices for workflow management between physician and pharmacy system operations.

17:40 Closing Remarks from the Chair

I would like to thank everyone who has helped with the research and organization of this event, especially the speakers for their support and commitment.

Dooa Said
doaa.said@fleminggulf.com



Meet Our Prestigious Speaker Panel

Prof Kari Harno, University of Eastern Finland

Professor at Department of Social and Health Management

Professor Harno is a Professor at University of Eastern Finland, Department of Social and Health Management. His Professional experience includes:

- Chief Physician, Department of Medicine Helsinki University Central Hospital 2002 - 2010
- Joint authority of the Hospital District of Helsinki and Uusimaa.
- Coordinator for organizing a regional eHealth network connecting 7.000 professionals from 29 municipalities and 15 different EPRs and Chair of the Governing Council of HIMSS Europe 2009 –2011
- For most of this work the Helsinki University Central Hospital was presented the Excellence in Information Integrity Award for 2009 in the non-profit category by the Information Integrity Coalition in Chicago, USA.

Prof Christian Lovis

University Hospitals of Geneva, Switzerland

Professor at Unit of Clinical Informatics

Christian Lovis is professor of clinical informatics at the University of Geneva and leading the Clinical Information System (CIS) Unit at the Geneva University Hospitals. Prof Lovis is a medical doctor trained in Internal Medicine with special emphasis on emergency medicine. In 2000, he graduated with a Master in Public Health from the University of Washington. His research focus on a) clinical information architectures, semantics and interoperability; b) impacts of CIS on people, patients, outcomes; c) use of CIS/data for improved processes, efficient cares, decision support, governance, clinical research; d) use of aggregated CIS data for bio-monitoring, post market surveillance, public health, epidemiology research

Dr Theodoros N. Arvanitis, University of Birmingham, UK

College of Engineering and Physical Sciences, Reader in Biomedical Informatics, Signals and Systems, RT, DPhil, CEng, MIET, MIEEE, AMIA, FSIM, FRSM

Reader in Biomedical Informatics, Signals and Systems School of Electronic, Electrical and Computer Engineering, College of Engineering and Physical Sciences, University of Birmingham. Edgbaston, Birmingham, B15 2TT, United Kingdom

Vicent Trely, Hospital Center of Le Mans, France

Information System Director

Vincent TRELY, Information System Director at Hospital Center of Le Mans, Former Director of Security at DEUTSCHE BANK AG, at ARO WELDINGS TECHNOLOGIES, Speaker for Universities, Engineers Schools
Chairman of APSSIS (Healthcare Information Security Society)

Arve-Olav Solumsmo, St. Olav's Hospital, Norway

Public Relations Manager

Arve-Olav has been a part of the management team for St. Olavs Hospital Development Project for 7 years. His role has been to keep the hospital, the medical faculty and the population of the region informed about the achievements and challenges of the project. During this time he has also shared his experiences with more than 120 international hospital projects visiting this landmark project. Prior to that, Arve-Olav spent 20 years in the ICT and Oil & gas industries, as technical writer, project manager and international marketing manager. He holds Master Degrees in both Linguistics and Business Administration

Dr Femida Gwady-Sridhar, Recherche en Sante Lawson-Switzerland, Executive Managing Director and Director Health Informatics-Lawson- Canada

Dr Femida Gwady-Sridhar is Director of Health Informatics at the Lawson Health Research Institute and Executive Managing Director at Recherche en Sante Lawson- Switzerland. She holds an investigator award from the Canadian Institute of Health Research in Knowledge translation. She is a pharmacist, epidemiologist and methodologist with over 20 years of experience in clinical trials and disease registries. Her expertise is in the area of medication compliance. Her research focuses on developing and testing technology to engage patients in their health management strategies and to use tools such as animation to do so.

Kevin J. Leonard, University of Toronto, Canada, Associate Professor, Department of Health Policy, Management and Evaluation (HPME), Faculty of Medicine

- Associate Professor, Department of Health Policy, Management and Evaluation (HPME), Faculty of Medicine, University of Toronto
- Founder, Patient Destiny (www.patientdestiny.com)
- Executive Director of the IMPROVE-IT Institute – Indices Measuring Performance Relating Outcomes, Value and Expenditure from Information Technology (www.improve-it-institute.org)
- Research Scientist with the Centre for Global eHealth Innovation, University Health Network, Toronto
- Member of the Advisory Board for the Canadian Association for People-Centred Health (www.capch.ca).

Kevin received his PhD from the Joint Doctoral Program in Montreal where he specialized in Statistics and Information Systems Theory for Business. He has two primary areas of research: (i) the implementation of electronic health records (EHRs) along with researching issues pertaining to the development and implementation of patient-focused information technology (Personal Health Records or PHRs); (ii) the creation and implementation of metrics for performance measurement of the Information Technology (IT) investment within healthcare.

Mungo Smith, maap, UK, Director

As a specialist consultant in the planning and design of healthcare buildings, Mungo has 30 years experience in medical architecture. During the 1980's he was project architect for the pioneering Lambeth Community Care Centre with Edward Cullinan Architects. He is a former head of design at the Medical Architecture Research Unit (MARU), University of North London, where he managed the live projects unit specializing in the briefing and design of primary care facilities.

In 1991 he became a founding director of MAAP and as design lead within the practice his primary responsibility is to improve the quality of knowledge, design effectiveness and architectural excellence across all projects. He continues to be actively involved in research through consultancy with the Department of Health, and is a member of their Design Review Panel for major capital projects; he is also regularly invited to speak on the design of healthcare environments in the UK, Europe and Australasia.

Prof David Morgan, Heart of England Hospital, UK

Clinical Director

David Morgan BSc, MB ChB, FRCS, FRCS Otol. is a Consultant Surgeon and Clinical Director of ENT Services at Heart of England NHS Foundation Trust as well as an Associate Professor at the Clinical Research Institute at the University of Warwick. He qualified at Birmingham Medical School in 1981 and undertook surgical training in London, Boston, Sydney, Hong Kong and Bombay. From 2000-2006 he was the Surgical Specialty Advisor to the National Patient Safety Agency. In 1999 he co-founded Medirect Ltd, a health information website and in 2005 became Medical Director of Safe Patient Systems which specialises in making healthcare safer and more efficient using mobile technology.

Dr. Heinrich Körtke, Ruhr-University of Bochum, Germany,

Medical Director of the Institute for Applied Telemedicine

Dr. Heinrich Körtke, born 1949, studied Human Medicine at the Free University of Berlin, Germany from 1974-1981. In 1988 he got conferral of a doctorate. 1989 he became specialist physician for "Internal Medicine" and in 1990 the specialist area "Cardiology" follows. In 2006 Dr. Körtke habilitated in "Internal Medicine" at the Ruhr-University of Bochum.

Since 1998 Dr. Körtke has worked as senior physician at Clinic for Thoracic and Cardiovascular Surgery of Heart- and Diabetes Center North Rhine Westphalia. Since 2003 additional he has been Manager of Institute for applied Telemedicine (IFAT) at Heart- and Diabetes Center North Rhine Westphalia.