

SCIENTIFIC COMMITTEE

GREECE

- John Mantas, Ph.D.* Professor, Chairman of the faculty of Nursing, School of Health Sciences, National and Kapodistrian University of Athens, Director of the Postgraduate Program "Health Informatics
- Sokratis Katsikas, Ph.D.* Professor, Rector, University of Aegean
- George Vassilakopoulos, Ph.D.* Professor of Information Systems, Dept of Computer Science, University of Piraeus
- Nikolaos Maniadakis MSc, Ph.D.* Professor, Chairman & Manager Director of the Board, University Hospital of Patras, Greece
- Nicolas Palikarakis, Ph.D.* Professor of Biomedical Engineering, Medical School, University of Patras
- John Yfantopoulos* Professor of Health Economics & Social Policy, National & Kapodistrian University of Athens
- Alexandros Litis* Ph.D., Candidate, National and Kapodistrian University of Athens

CANADA

- Prof. Gerhard W. Brauer* Associate Professor, School of Health Information Science, University of Victoria, BC, Canada
- Dr. Patricia M. Coward* Assistant Professor and Acting Director, School of Health Information Science, University of Victoria, BC, Canada

GERMANY

- Roxana Corina Dumitru* MD, MSc Medical Informatics Research Assistant, Medical Informatics Division, Georg-August-Universität Göttingen, Göttingen, Germany
- Prof. Dr. Otto Rienhoff* The Head of Medical Informatics Division, Georg-August-Universität Göttingen, Göttingen, Germany

AUSTRALIA

Evelyn Johanna Sophia Hovenga, Ph.D.

Associate Professor, Program Director, Health Informatics Faculty of Informatics and Communication, Central Queensland University, Australia

Ms Dawn Hey

Lecturer, Faculty of Arts Health & Sciences, School of Nursing & Health Studies, Central Queensland University, Australia

BELGIUM

Ilias Iacovidis, Ph.D.

Directorate of Information Society, European Commission

THE NETHERLANDS

Arie Hasman, Ph.D.

Professor, Dept of Medical Informatics, University of Maastricht, The Netherlands

AUSTRIA

Reinhold Haux, Ph.D.

Professor, Rector of the University of Health Informatics and Technology at Tyrol, Innsbruck, Austria

ORGANIZATIONAL COMMITTEE

Kyriakos Kioulafas, Ph.D.,

Professor, National and Kapodistrian University of Athens, Chairman of the Faculty of Economics

*Nikos Kiapes
Regina Tsirka*

Chairman, Research and Training Institute of East Aegean
Conference Administrative Director, Research and Training Institute of East Aegean

Chrisoula Kioulafa

Financial Director, Research and Training Institute of East Aegean

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Research and Training Institute of East Aegean

Jasmin Kioulafa

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Conference website:

<http://www.ineag.gr/icicth/>

***The conference committee would like to thank
for their support and kind cooperation:***

- *The National and Kapodistrian University of Athens*
- *The Ministry of Education and Religious Affairs*
- *The Prefecture of Samos*
- *SIEMENS HELLAS*
- *INTRACOM S.A.*
- *FARMASERVE – LILLY S.A.*
- *OTEnet S.A.*
- *TEMAGON S.A.*

***Special thanks to Prof. Ken Fernstrom,
Communication Department. University College of the Fraser Valley, Canada***

Dear Colleagues,

Welcome to the International Conference on Information Communication Technologies in Health and to the beautiful island of Samos. The 2003 ICICTH Conference will seek to address the many challenges and new directions presented by technological innovations in the Health Care Sector. Providing keynote and plenary sessions with a focus on integrating technology in health, the conference will provide participants with a forum for intensive interdisciplinary interaction and debate. The relatively new fields of health informatics and health telematics have seen a tremendous growth in scope and importance in institutional and non-institutional health care settings; largely because information and communication technologies (ICT) have had a significant, and often unpredictable, impact on the nature and delivery of health care around the world. It is therefore essential that conferences like ICICTH 2003 be convened, so that the respective professionals can get together to compare notes and discuss the design, implementation and evaluation of new ICT interventions.

On behalf of the Scientific Committee and my colleagues at the School of Health Information Science, I welcome you to Samos, and to ICICTH 2003.

Sincerely,

Professor Gerhard W. Brauer

School of Health Information Science
University of Victoria

Professor John Mantas

Chairman of the faculty of Nursing
School of Health Sciences, National and Kapodistrian University of Athens
Director of the Postgraduate Program "Health Informatics
Chairman of Scientific Committee of the ICICTH

Professor Kyriakos Emm. Kioulafas

Chairman of the Faculty of Economics
National and Kapodistrian University of Athens
Chairman of the Organisational Committee of the ICICTH

Conference Program

July 11, 2003

12:00 – 13:00 **PICK UP OF CONFERENCE PARTICIPANTS FROM THEIR HOTELS AND TRANSFER TO THE RESEARCH AND TRAINING INSTITUTE OF EAST AEGEAN (INEAG)**

13:00 – 13:30 **REGISTRATION**

13:30 – 13:45 **INTRODUCTION AND WELCOME**

13:45 – 15:30 **GENERAL PANEL AND DISCUSSION**

- Sokratis Katsikas, Ph.D., *Professor, Rector, University of Aegean, Greece*
- John Mantas, Ph.D., *Professor, Chairman of the faculty of Nursing, School of Health Sciences, National and Kapodistrian University of Athens, Director of the Postgraduate Program "Health Informatics, Chairman of the Scientific Committee of the ICICTH*
- Reinhold Haux, Ph.D., *Professor, Rector of the University of Health Informatics and Technology at Tyrol, Innsbruck, Austria*
- Arie Hasman, Ph.D., *Professor, Dept of Medical Informatics, University of Maastricht, The Netherlands*
- Nikolaos Maniadakis MSc, Ph.D., *Professor, Chairman & Manager Director of the Board, University Hospital of Patras, Greece*
- Dr. Rolf Engelbrecht, GSF MEDIS, Institute for Medical Informatics, Germany

15:30 – 16:00 **BREAK**

16:00 – 17:30 **CONCURRENT PANELS**

1. ELECTRONIC HEALTH RECORDS

HALL G. HANAN (HALL I)

John Mantas, Ph.D., National and Kapodistrian University of Athens, Greece – MODERATOR

Evaluation of Patient Designed Electronic Health Records

- *Kevin Leonard, Associate Professor, University of Toronto, Canada*

Communication Standards for Electronic Health Records

- *Evelyn J.S. Hovenga, A/Professor, Central Queensland University, Australia*

Challenges to Patients Medical Records Supporting Clinical Research –Data Quality

- *Roxana Corina Dumitru, Research Assistant, Georg-August-Universität Göttingen, Germany*
- *Otto Rienhoff, Professor and the Head of Medical Informatics Division, Georg-August-Universität Göttingen, Germany*

Docmem – Introducing EHRs to the Mobile world

- *Nikolaos Sfiris, Hitech Consultants S.A., Greece*
- *Andreas Vamvatsikos, Hitech Consultants S.A., Greece*
- *Eftihia Desipri, Hitech Consultants S.A., Greece*
- *Spyros Moschovakos, Hitech Consultants S.A., Greece*

2. HEALTH TELEMATICS

HALL KVARTALNOV (HALL II)

Reinhold Haux, Ph.D., Professor, Rector of the University of Health Informatics and Technology at Tyrol, Innsbruck, Austria – MODERATOR

Use of Telemedicine Technologies for Hospice Patients

- George Demiris, Assistant Professor, Health Management and Informatics, University of Missouri-Columbia, USA
- Debra R. Oliver, School of Social Work, University of Missouri-Columbia, USA
- David A. Fleming, Health Management and Informatics, University of Missouri-Columbia, USA
- Karen Edison, Health Management and Informatics, University of Missouri-Columbia, USA

Tele-diagnostic and therapeutic guidance in Urology

- Leuteris Gortzis, Medical Physics Department of University of Patras, Greece
- E. Liatsikos, Laboratory of Health Informatics, Faculty of Nursing, University of Athens, Greece
- G. Nikiforidis, Medical Physics Department of University of Patras, Greece

Telematics in Ophthalmic Imaging: A Low Cost Solution for the Transfer of Image Data

- Klaus Wörle, Professor, Dr., Department of Ophthalmology, University of Regensburg, Germany

3. QUALITY MANAGEMENT

HALL C. EVGENIKOS (HALL III)

Arie Hasman, Ph.D., Professor, Dept of Medical Informatics, University of Maastricht, The Netherlands
– MODERATOR

A Reformation Tool: A Semi Dynamic Web Based Management Information System in the Service of the Regional Health & Welfare System of the Ionian Islands

- Petros Kostagiolas, Quality & Reliability Research Manager, R&D Officer, Regional Health & Welfare System of the Ionian Islands, Greece
- K. Chlomoudis, President & General Director, Regional Health & Welfare System of the Ionian Islands, Greece

The Impact of the LIS to the Hospital's Analytical Laboratory Quality Accreditation

- J. Sarivougioukas, Senior IT Manager, MIS Department, General Hospital of Athens, Greece
- A. Vagelatos, Senior IT Manager, IT Department for Public Sector, R.A. Computer Technology Institute, Greece

Using Information Management and Information Technologies Strategy to Enhance Healthcare Quality Assurance

- Panagiota Lazarou, Ph.D. Student, National and Kapodistrian University of Athens, Greece

17:30 – 18:00

POSTER SESSIONS

Psychotherapy supervision and knowledge transfer by videoconferencing

- Catherine Lidberg, The Medical Centre for Refugees, University Hospital, Linköping, Sweden

18:15

TRANSFER OF PARTICIPANTS TO ARION HOTEL

19:00 – 21:00

OPENING RECEPTION (ARION HOTEL)

21:00

TRANSFER TO HOTELS

July 12, 2003

08:00 – 09:00 PICK UP OF CONFERENCE PARTICIPANTS FROM HOTELS AND TRANSFER TO THE RESEARCH AND TRAINING INSTITUTE OF EAST AEGEAN (INEAG)

09:00 – 11:00 CONCURRENT PANELS

4. HOSPITAL SYSTEMS

HALL G. HANAN (HALL I)

Roxana Corina Dumitru, Research Assistant, Medical Informatics Division, Georg-August-Universität Göttingen, Germany - MODERATOR

Integrating Reordering Processes in a Healthcare Environment Using SAP's R/3: The Case of Papageorgiou General Hospital

- Constantinos J. Stefanou, Associate Professor, TEI of Thessaloniki, Greece
- Andreas Revanoglou, Research Associate, TEI of Thessaloniki, Greece

Low-Cost PACS Implemented in Diagnostic Radiology Department of Provincial Hospital in Lublin

- Maciej Siczek, Dr., Provincial Hospital, Diagnostic Radiology Department, Poland
- Marcin Laszewski, Prof., TP S.A. Telecommunication Department, Poland
- Pawel Mikolajczak, Prof. Head of Laboratory of Information Technology, M.Curie-Sklodowska University, Poland

Virtual Private Network for Medical Data Transmission

- Marcin Laszewski, Prof., TP S.A. Telecommunication Department, Poland
- Pawel Mikolajczak, Prof. Head of Laboratory of Information Technology, M.Curie-Sklodowska University, Poland
- Maciej Siczek, Dr., Provincial Hospital, Diagnostic Radiology Department, Poland

A new Role of the IT Department in Greek Hospitals

- Ch. Papanikolaou, Senior IT Manager, RA Computer Technology Institute, Greece
- F. Malamateniou, Health Informatics Consultant, IT Projects for the Public Sector, Academic Research Computer Technology Institute, Greece
- I. Vidalis, R.A. Computer Technology Institute, Greece
- A. Vagelatos, Senior IT Manager, IT Department for Public Sector, R.A. Computer Technology Institute, Greece

Implementation of an on-demand robotic courier in a hospital

- Erwin Andrulis, Institute of Medical Informatics, Justus-Liebig-University, Hospital Giessen, Germany
- Joachim Dudeck, Medical Informatics, University Giessen, Germany,

09:00 – 10:30

5. TELEMATICS FOR COOPERATION

HALL KVARTALNOV (HALL II)

Otto Rienhoff, Professor and the Head of Medical Informatics Division, Medical, Informatics Division, Georg-August-Universität Göttingen, Germany - MODERATOR

Consumer Health Informatics and Collaborative Health Information Systems

- H.U. Prokosch, Prof. Dr. Department of Medical Informatics, Biometrics and Epidemiology, University of Erlangen-Nürnberg, Germany

Networking in Health Care: An Issue of Connection or Cooperation?

The Evolution of Sjunet, The Swedish Health Care Network

- Gustav Malmqvist, Director of ICT, BSc, RN, County Council of Västernorrland, Dept of IT & Development, Sweden

6. WEB – BASED SOLUTIONS

HALL C. EVGENIKOS (HALL III)

Arie Hasman, Ph.D., Professor, Dept of Medical Informatics, University of Maastricht, The Netherlands – MODERATOR

The Usability of Medical Web Sites

- Sari Walldén, **Assistant Professor, University of Tampere, Hypermedia Laboratory, Finland**

A Web Portal for Process Automation and Application Integration in Emergency HealthCare

- M. Poulymenopoulou, *Postgraduate student, Department of Informatics, University of Piraeus, Greece*
- G. Vassilacopoulos, *Professor, University of Piraeus, Dept of Computer Science, Greece*

Electronic Lab-Requisitions Using a Nationwide Web-Solution

- Ib Johansen, **MI, Deputy Manager, Danish Centre for Health Telematics, MedCom, Denmark**
- Gitte Henriksen, **Project Assistant, Danish Centre for Health Telematics, Denmark**

11:00 – 11:30 **BREAK**

11:30 – 13:00 **CONCURRENT PANELS**

7. MOBILE AND MONITORING

HALL G. HANAN (HALL I)

Roxana Corina Dumitru, Research Assistant, Medical Informatics Division, Georg-August-Universität Göttingen, Germany - MODERATOR

Habitat telemonitoring system based on the sound surveillance

- Eric Castelli, *International Research Center MICA Hanoi, Vietnam*
- Michel Vacher, *CLIPS-IMAG Grenoble, France*
- Dan Istrate *CLIPS-IMAG Grenoble, France*
- Laurent Besacier *CLIPS-IMAG Grenoble, France*
- Jean-François Sérignat *CLIPS-IMAG Grenoble, France*

An electronic health record-based system for automatic monitoring and control of medication

- Bernt Ivar Olsen, *Norwegian Centre for Telemedicine, University Hospital of North Norway, Department of Computer Science, Faculty of Science, University of Tromsø, Norway*
- Anne Elise Eggen, *Institute of Pharmacy, Faculty of Medicine, University of Tromsø, Norway*
- Johan Gustav Bellika, *Norwegian Centre for Telemedicine, University Hospital of North Norway, Department of Computer Science, Faculty of Science, University of Tromsø, Norway*
- Per Angermo, *Norwegian Centre for Telemedicine, University Hospital of North Norway, Norway*
- Molly van der Weij, *Norwegian Centre for Telemedicine, University Hospital of North Norway, Norway*
- Gunnar Hartvigsen, *Norwegian Centre for Telemedicine, University Hospital of North Norway, Department of Computer Science, Faculty of Science, University of Tromsø, Norway, Norway*

DROMEAS – a wearable platform for the monitoring of health condition and sport performance of athletes and the real-time prevention of sport injuries

- Konstantinos Vassiliadis, *Fast Forward S.A., Greece*

8. MEDICAL IMAGING

HALL KVARTALNOV (HALL II)

Evelyn Johanna Sophia Hovenga, Ph.D., Associate Professor, Program Director, Health Informatics Faculty of Informatics and Communication, Central Queensland University, Australia

Virtual private network for medical data transmission

- Marcin Laszewski, *Prof., TP S.A. Telecommunication Department, Poland*
- Pawel Micolajczak, *Prof. Head of Laboratory of Information Technology, M.Curie-Sklodowska University, Poland*

A wavelet-based watermarking scheme appropriate for medical images

- **Aggeliki Giakoumaki, Dipl. Electr. & Computer Eng., PhD Student, National Technical University of Athens, Greece**
- **Sotiris Pavlopoulos, Biomedical Engineering Laboratory, School of Electrical and**

Computer Engineering, National Technical University of Athens, Greece

- **Dimitris Koutsouris, Professor, Biomedical Engineering Laboratory, National Technical University of Athens, Greece**

A fast point-based registration-fusion technique for human head medical images with matlab platform

- Nikos Apostolou, PhD student, Biomedical Engineering Laboratory, National Technical University of Athens, Greece
- Dimitris Koutsouris, Professor, Biomedical Engineering Laboratory, National Technical University of Athens, Greece
- Dimitris Kalivas, Biomedical Engineering Laboratory, National Technical University of Athens, Greece
- Ioannis Pappas, Hygeia Hospital Hellas & Harvard Medical International, Greece
- Thanasis Papazoglou, Hygeia Hospital Hellas & Harvard Medical International, Greece
- Giorgos Apostolou, Medical School of Patras University, Rio, Greece

9. VOCABULARIES, ETC.

HALL C. EVGENIKOS (HALL III)

Alexandros Litis, M.Sc., Ph.D. in Health Economics, National and Kapodistrian University of Athens, Greece – MODERATOR

Implementation of a Greek morphological lexicon for the biomedical domain

- Ch. Tsalidis, Neurosoft S.A., Greece
- G. Orphanos, Neurosoft S.A., Greece
- A. Vagelatos, Senior IT Manager, IT Department for Public Sector, R.A. Computer Technology Institute, Greece

Planning clinical care by using an international nursing vocabulary in a computer-based system

- Joseph Liaskos, Ph.D. Student, Laboratory of Health Informatics, Faculty of Nursing, University of Athens, Greece
- John Mantas, Professor, Chair of Faculty of Nursing, University of Athens, Greece

Bringing telemedicine in suburban and rural Greece: a struggle against inequality in Health

- Pantelis Margaritis, Technology Policy Consultant, MSc in Technology Policy, Greece

13:00 – 15:00 LUNCH

15:00 – 16:30 CONCURRENT PANELS

10. ETHICS AND SECURITY

HALL G. HANAN (HALL I)

John Mantas, Professor, Chair of Faculty of Nursing, University of Athens, Greece – MODERATOR

Health Data Protection According to Italian Rules

- Laura Certomà, Forensic Medicine Post-graduated, National Commission for Invalidation Assessment, Italy
- Stefano Bonomo, Post-graduate in Occupational Medicine, National Commission for Invalidation Assessment, Italy
- Angelo Serio, Professor of Medical Informatics, President of the Italian Association for Medical Informatics (AIIM), Department of Forensic Medicine, University "La Sapienza" Roma, Italy

Investigation of physicians' and nurses' perceptions on the ethical principle of beneficence applied to the electronic health record

- Vamiedakis Elias, General Practice Physician, University of Athens, Faculty of Nursing, Greece
- Lemonidou Chryssoula, Associate Professor of Nursing, University of Athens, Faculty of Nursing, Greece
- Velonakis Emmanuel, PhD, University of Athens, Faculty of Nursing, Greece
- Mantas John, Professor, Chair of Faculty of Nursing, University of Athens, Greece

Distributed Electronic Patient Record - Security Issues

- Athanasios Daflos, PhD Candidate in Medical Informatics, University of Athens, Greece

- *Vasilios Karabelas, PhD Cand. in Medical Informatics, Faculty of Nursing, University of Athens, Greece*

11. OUTCOME MEASUREMENTS

HALL KVARTALNOV (HALL II)

Otto Rienhoff, Professor and the Head of Medical Informatics Division, Medical, Informatics Division, Georg-August-Universität Göttingen, Germany - MODERATOR

The effect of Telemedicine in Greek Hospitals productivity

- **Alexandros Litis, M.Sc., Ph.D. in Health Economics, National and Kapodistrian University of Athens, Greece**

DRGs system and computers in the evaluation process of healthcare outcomes.

- *Katsapi Angela, Nurse MSc in 'Health Informatics', National and Kapodistrian University of Athens, Regional Healthcare System of Sterea Ellada, Greece*

Orthopaedic surgery centralized documentation & imagery

- *Amer Ibrahim EL-Kerdi, Group Head, OrthoGlobe Project Leader, Institute for Evaluative Research in Orthopaedic Surgery (MEM-CED), University of Berne, Switzerland*

12. e – HEALTH CARE

HALL C. EVGENIKOS (HALL III)

Arie Hasman, Ph.D., Professor, Dept of Medical Informatics, University of Maastricht, The Netherlands – MODERATOR

e-care – medical expert system for continuity of care and healthy lifestyle

- Gerakaki Iro, **INTERSET S.A., Greece**
- Dimitra Chaloglou, **INTERSET S.A., Greece**
- Stavropoulou Anastasia, **INTERSET S.A., Greece**

A novel virtual patient record architecture based on XML technology

- *G. Konnis, Researcher, ICCS-National Technical University of Athens, Greece*
- *A. Berler, Biomedical Engineering Laboratory, National Technical University of Athens, Greece*
- *S. Pavlopoulos, Biomedical Engineering Laboratory, National Technical University of Athens, Greece*
- *G. Karkalis, Biomedical Engineering Laboratory, National Technical University of Athens, Greece*
- *E. Sakka, Biomedical Engineering Laboratory, National Technical University of Athens, Greece*
- *D. Koutsouris, Biomedical Engineering Laboratory, National Technical University of Athens, Greece*

Developing a process-oriented virtual healthcare enterprise using web services

- *F. Malamateniou, Health Informatics Consultant, IT Projects for the Public Sector, Academic Research Computer Technology Institute, Greece*
- *M. Poulymenopoulou, Postgraduate student, Department of Informatics, University of Piraeus, Greece*
- *G. Vassilacopoulos, Professor, University of Piraeus, Department of Computer Science, Greece*

Call center and healthcare on-line

- *Angelo Serio, Professor of Medical Informatics, President of the Italian Association for Medical Informatics (AIIM), Department of Forensic Medicine, University "La Sapienza" Roma, Italy*
- *Antonino Giannone, Eng, Advisor for Informatics and Health Services Management, University of Rome, Italy*

Prospects of XML and Topic Maps in healthcare

- *Ralf Schweiger, Professor, Dr., Institute of Medical Informatics, Justus-Liebig-University of Giessen, Germany*
- *Joachim Dudeck, Medical Informatics, University Giessen, Germany*

16:30

TRANSFER TO HOTELS

July, 13, 2003

08:00 – 09:00 PICK UP OF CONFERENCE PARTICIPANTS FROM HOTELS AND TRANSFER TO THE RESEARCH AND TRAINING INSTITUTE OF EAST AEGEAN (INEAG)

09:00 – 10:30 CONCURRENT PANELS

13. HEALTH PROFESSIONALS

HALL G. HANAN (HALL I)

Arie Hasman, Ph.D., Professor, Dept of Medical Informatics, University of Maastricht, The Netherlands – MODERATOR

Telehealth acceptance among physicians: A structural model

- Marie-Pierre Gagnon, Ph.D. Candidate, Faculty of Medicine, Laval University, Canada
- Gaston Godin, Professor, Scientific Director, Laval University, Canada
- Camille Gagné, Professor, Laval University, Canada
- Jean-Paul Fortin, Professor, Laval University, Canada
- Lise Lamothe, Professor, University of Montreal, Canada
- Daniel Reinharz, Professor, Laval University, Canada

A comparative study of nurses' and physicians' attitudes toward hospital informatics' systems

- Kalafati Maria, PhD Student, University of Athens Faculty of Nursing, Nursing Education Office KAT General Hospital, Greece
- Lemonidou Chryssoula, Associate Professor of Nursing, University of Athens, Faculty of Nursing, Greece
- Patiraki Elizabeth, Assistant Professor of Nursing, University of Athens, Faculty of Nursing, Greece
- Mantas John, Ph.D., National and Kapodistrian University of Athens, Greece

M.Sc. Course in health informatics in Greece

- Mantas John, Ph.D., National and Kapodistrian University of Athens, Greece

14. IT AND CLINICAL PRACTICE

HALL KVARTALNOV (HALL II)

Roxana Corina Dumitru, Research Assistant, Medical Informatics Divison, Georg-August-Universität Göttingen, Germany - MODERATOR

Preparing health professionals to work in a technologically advanced health care environment

- Dr Louise de Villiers, Senior lecturer, University of South Africa, Department of Advanced Nursing Sciences, South Africa

Changing clinical practice by contextually bridging patient information to clinical knowledge

- Dr. Christos Bountis (MD), Specialist Registrar, Oxford Medical Informatics, Department of Clinical Biochemistry, Oxford Radcliffe Hospitals, United Kingdom
- Dr. Jonathan Kay (MB, FRCPath), Consultant-Honorary Senior Clinical Lecturer, Oxford Medical Informatics, Dept of Clinical Biochemistry, Oxford Radcliffe Hospitals, United Kingdom

Building knowledge on heart issues in a networked community of practice of nurses: A critical thinking approach

- Niki Messas, Master's Student in Communication Science Department of Communication, Canada
- Dr. Milton Campos, Assistant Professor, Department of Communication, Faculty of Arts & Sciences, University of Montreal, Canada

15. KNOWLEDGE COMMUNICATIONS

HALL C. EVGENIKOS (HALL III)

Otto Rienhoff, Professor and the Head of Medical Informatics Division, Medical, Informatics Division, Georg-August-Universität Göttingen, Germany - MODERATOR

From physical networks to human communication

- *Walter Peissl, Senior Scientist, Institute of Technology Assessment, Austrian Academy of Sciences, Austria*

A multimedia educational system to teach epidemiology and psychiatric nursing

- *M. Diomidi, Doctor of public Health-Health Informatics, Faculty of Nursing, University of Athens, Greece*
- *H. Apostolopoulou, PhD student, Biomedical Engineering Laboratory, National Technical University of Athens, Greece*
- *S. Vosniadou, Department of History and Philosophy of Science, University of Athens, Greece*
- *G. Vasilakopoulos, University of Piraeus, Department of Computer Science, Greece*

Managing information and knowledge gained in the FRR project

- *Stelios Halkiotis, Laboratory of Health Informatics, Faculty of Nursing, University of Athens, Greece*
- *Taxiarchis Botsis, Laboratory of Health Informatics, Faculty of Nursing, University of Athens, Greece*
- *Joseph Liaskos, Ph.D. Student, Laboratory of Health Informatics, Faculty of Nursing, University of Athens, Greece*
- *John Mantas, Ph.D., National and Kapodistrian University of Athens, Greece*

10:30 – 11:00 **BREAK**

11:00 – 13:00 **CONCURRENT SESSIONS**

WORKSHOP SESSION I

HALL G. HANAN (HALL I)

- *HL7 Improvements*
 - **FACILITATOR:** *Prof. Dr. Joachim Dudeck, Medical Informatics, University Giessen, Germany*
- *Applications of Transport Roboters in Hospital Environments*
 - **FACILITATORS:** *Prof. Dr. Joachim Dudeck, Medical Informatics, University Giessen, Germany*
Erwin Andrulis, Institute of Medical Informatics, Justus-Liebig-University, Hospital Giessen
- *XML – Perspectives of Applications in Healthcare*
 - **FACILITATORS:** *Prof. Dr. Joachim Dudeck, Medical Informatics, University Giessen, Germany*
Dr. Ralf Schweiger, Professor, Dr., Institute of Medical Informatics, Justus-Liebig-University of Giessen, Germany
- *HL7 Hellas: The focal point of healthcare interoperability issues in Greece*
 - **FACILITATOR:** *Mr. Alexander Berler, Biomedical Engineer, MSc, HL7 Hellas, National Technical University of Athens, Greece.*

WORKSHOP SESSION II

HALL KVARTALNOV (HALL II)

- *How to make electronic requisitions from EPR for Biochemistry, Microbiology, Histopathology and Cytology lab tests*
 - **FACILITATOR:** *Ib Johansen, MI, Danish Centre for Health Telematics, Denmark*

WORKSHOP SESSION III

HALL C. EVGENIKOS (HALL III)

- *Home based telemedicine*
 - **FACILITATOR:** *George Demiris, PhD., Assistant Professor, Department of Health Management and Informatics, University of Missouri Columbia, USA*

13:00 – 15:00 LUNCH

15:00 – 16:30 PhD CANDIDATE SESSION HALL G. HANAN (HALL I)

Alexandros Litis, M.Sc., Ph.D. in Health Economics, National and Kapodistrian University of Athens, Greece – MODERATOR

- *Christina Kontogolidou, PhD Student, Department of Relation Office, University of Piraeus, Greece*
- *Konstantinos Kollias, PhD Student, Faculty of Nursing, University of Athens, Greece*
- *Marilena Kavoura, Research Assistant/MSc Health Care Administration, National School of Public Health, Greece*
- *Dimitrios Pardalis, Faculty of Nursing, University of Athens, Greece*

16:30 – 17:30 CONFERENCE SYNOPSIS – CLOSING

17:30 TRANSFER TO HOTELS

20:30 – 21:00 PICK UP OF THE CONFERENCE PARTICIPANTS AT HOTELS AND TRANFER TO PLAKAKIA

21:00 – 23:00 GREEK NIGHT

23:00 TRANFER TO HOTELS

TRANSPORTATION

July, 11th, 2003

Doryssa Bay Hotel	11:40
Proteas Bay Hotel	11:50
Aeolis Hotel	12:10
Samos Hotel	12:15
Venus Hotel	12:30
Olympia Hotel	12:30
Kokkari Beach Hotel	12:35
Arion Hotel	12:40
Agnanti Hotel	Walking distance

July, 12th, 2003

Doryssa Bay Hotel	07:35
Proteas Bay Hotel	07:45
Aeolis Hotel	08:10
Samos Hotel	08:15
Venus Hotel	08:30
Olympia Hotel	08:30
Kokkari Beach Hotel	08:35
Arion Hotel	08:40
Agnanti Hotel	Walking distance

July, 13th, 2003

Doryssa Bay Hotel	07:35
Proteas Bay Hotel	07:45
Samos Hotel	08:10
Aeolis Hotel	08:15
Arion Hotel	08:30
Venus Hotel	08:30
Olympia Hotel	08:35
Kokkari Beach Hotel	08:40
Agnanti Hotel	Walking distance

Greek night July, 13th, 2003

Doryssa Bay Hotel	20:00
Proteas Bay Hotel	20:10
Samos Hotel	08:10
Aeolis Hotel	20:30
Arion Hotel	20:50
Venus Hotel	20:45
Olympia Hotel	20:45
Kokkari Beach Hotel	20:45
Agnanti Hotel	21:00

July 14, 2003

Daily Excursion to Kusadasi and the Ancient City of Ephesus

Only 18 miles and a few minutes separate Samos from a totally different world, the world of East.

After the sort custom formalities (do not forget your passports!) we will go on board and we start our trip. The trip lasts 1 hour and 15 minutes and the boat is following a wonderful course in the virgin coasts of Samos and the small islands situated in the area.

We arrive in the port of Kusadasi. Again after the sort custom formalities we are ready to meet the town with the low price market and also the ancient Ephesus.

Kusadasi

Kusadasi is the most tourist area of Turkey after Constantinoupolis. There is a market where you can find several sort of goods. Famous is the “bazaar of price”, never buy something at the original price, normally it costs half the money and you have to bargain before you pay. In shops in Kusadasi you can pay either in euro or with any other coin, credit cards are accepted.

Excursion to Ancient Ephesus

The tour to Ephesus is a great experience. After our arrival to Kusadasi we start with new air-condition buses and with official guide for Ephesus. The ancient town of Ephesus is located 19 km (20 minutes by bus) from Kusadasi. There we can admire the Temple of the Greek Goodness Artemis, the ancient Stadium, the Byzantine Baths, the Library of Celcius. Our visit to all the above will be through the Marble Street.

After our visit to Ephesus we will go back to Kusadasi where we will have enough time for shopping or lunch. Departure from Kusadasi at 17:00 and the arrival on Samos island at 18:15.



Pick up of Participants at Hotels

Agnanti Hotel	07:15
Doryssa Bay Hotel	07:20
Proteas Bay Hotel	07:30
ARION Hotel	07:35
Olympia Hotel	07:40
Venus Hotel	07:45
Kokkari Hotel	07:45
Samos Hotel & Aeolis Hotel	
No transportation is needed - Meeting place the harbour	

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Tour of Samos island

The participants will have the opportunity to visit the most important sights of the island such as:

the Archaeological Museum

the Tunnel of Eupalinos

the Heraion of Samos

the Byzantine Monastery of Timios Stavros

Karlovassi which is the second biggest city of the island, one of the wineries of the island,

the Potami (River) area at the North Coast and Kokkari village one of the most romantic small ports.



Pick up of Participants at Hotels

Agnanti Hotel	07:40
ARION Hotel	08:00
Olympia Hotel	08:05
Kokkari Beach Hotel	08:10
Venus Hotel	08:10
Aeolis Hotel	08:30
Samos Hotel	08:25
Proteas Bay Hotel	08:50
Doryssa Bay Hotel	09:00