HEALTH INFORMATICS

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DIRECTOR: IOANNIS MANTAS

HEAD OF THE LABORATORY DETAILS

Professor John Mantas,
Professor in Health Informatics
President in European Federation for Medical Informatics

HISTORICAL PERPECTIVE

The Health Informatics Laboratory has been operating since 1988. It was official established by Presidential Decree in 1993. From its establishment since today, Director of the Laboratory is Professor John Mantas.

PERSONNEL

<table>
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<tr>
<th>Teaching and Research Staff</th>
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<tr>
<td>John Mantas</td>
<td>Professor</td>
<td>2107461460</td>
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<th>Members of the Laboratory</th>
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<tr>
<td>Spiros Zogas</td>
<td>ETEP</td>
<td>2107461447</td>
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<tr>
<td>Dimitrios Zikos</td>
<td>Associate Research</td>
<td>2107461448</td>
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<tr>
<td>Maria Papadakaki</td>
<td>Associate Research</td>
<td>2107461446</td>
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<th>PhD Candidates</th>
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<tr>
<td>Parisi Gallos</td>
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<td>Magdalini Karagianni</td>
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<td>Marina Korompili</td>
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<td>Michail Theodosiou</td>
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<td>Ioannis Kapsaskis</td>
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<td>Vasiliki Mpletsa</td>
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<td>Spiros Ziogas</td>
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LABORATORY SECRETARIAT

Secretary: Papadakaki Maria  
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CURRICULUM

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<tr>
<th>Undergraduate courses 2010-2011</th>
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<tr>
<td>• Introduction to Informatics</td>
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<td>• Health Informatics</td>
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<td>• Hospital Information Systems</td>
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<th>Postgraduate courses 2009-2011</th>
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<tr>
<td>• Introduction in Health Informatics</td>
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<td>• Hospital Information Systems</td>
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<td>• Databases</td>
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<td>• Technology Knowledge</td>
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<td>• Health Systems Management</td>
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<td>• Project Management</td>
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<td>• Object Oriented Programming - JAVA</td>
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<td>• Health Economics</td>
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<td>• Research Methodology</td>
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<td>• Health Electronic Record</td>
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<td>• Biostatistics I,II</td>
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Post Graduate Seminars
As mentioned in the graduate program

Other educational activities
Teaching Informatics courses in the Postgraduate Programme of Dental school

RESEARCH PROJECTS

Listed below the funded by the European Union competitive research projects:

- RN4CAST
- EUNetPAS
- MedSkills
- EIPEN
- WISECARE
- ITEDUCTRA
- NIGHTINGALE
- COASTER
- TELENURSE
- TELENURSING
- TELENURSE-ID
- EURODIABETA
- General Architecture for Medical Expert Systems
- PRECISE
PUBLICATIONS


- Mantas J, Diomidous M. Implementation and evaluation of the MSc course in health informatics in Greece.
PMID: 17224989 [PubMed - indexed for MEDLINE]

- Mantas J.
  Health and medical informatics education.
  PMID: 17224980 [PubMed - indexed for MEDLINE]

- Stergiopoulou A, Birbas K, Katostaras T, Diomidous M, Mantas J.
The effect of a multimedia health educational program on the postoperative recovery of patients undergoing laparoscopic cholecystectomy.
  PMID: 17108629 [PubMed - indexed for MEDLINE]

  Evaluation of a breast cancer computer aided diagnosis system.
  PMID: 17108587 [PubMed - indexed for MEDLINE]

- Velonakis E, Mantas J, Mavrikakis I.
  A site of communication among enterprises for supporting occupational health and safety management system.
  PMID: 17108553 [PubMed - indexed for MEDLINE]

- Liaskos J, Mantas J.
  Measuring the user acceptance of a Web-based nursing documentation system.
  PMID: 16482381 [PubMed - indexed for MEDLINE]

- Mantas J.
  Postgraduate studies in health informatics in Greece.
  PMID: 16160269 [PubMed - in process]

- Mantas J.
  Future trends in Health Informatics--theoretical and practical.
  PMID: 15718678 [PubMed - indexed for MEDLINE]

- Mantas J.
  Comparative educational systems.
  PMID: 15718669 [PubMed - indexed for MEDLINE]

- Halkiotis S, Mantas J.
  Automatic detection of clustered microcalcifications in digital mammograms.
  PMID: 15460655 [PubMed - indexed for MEDLINE]

- Paidi A, Mantas J.
  Education in health and nursing informatics.
  PMID: 15460244 [PubMed - indexed for MEDLINE]

- Mantas J.
  Image processing and analysis.
  PMID: 15460234 [PubMed - indexed for MEDLINE]

- Liaskos J, Mantas J.
  Nursing Information System.
  PMID: 15460230 [PubMed - indexed for MEDLINE]

- Mantas J.
  Electronic health record.
• Tsirintani M, Mantas J.
  A prototype design of cardiological computerized nursing care plans for an electronic patient care record.
  PMID: 10947643 [PubMed - indexed for MEDLINE]

• Diomidous M, Verginis I, Mantas J.
  The construction of a simulation-based system for the development of powerful and realistic models and practicals for healthcare professionals.
  PMID: 10719527 [PubMed - indexed for MEDLINE]

• Malamateniou F, Vassilacopoulos G, Mantas J.
  A search engine for virtual patient records.
  PMID: 10530826 [PubMed - indexed for MEDLINE]

• Mantas J, Diomidus M.
  Curriculum development and courseware implementation using World Wide Web technology.
  PMID: 10384567 [PubMed - indexed for MEDLINE]

• Mantas J.
  Health and nursing informatics education.
  PMID: 10351863 [PubMed - indexed for MEDLINE]

• Plati C, Lemonidou C, Katostaras T, Mantas J, Lanara V.
  Nursing manpower development and strategic planning in Greece.
  PMID: 9866292 [PubMed - indexed for MEDLINE]

• Diomidus M, Mantas J.
  Assessing the progress of the M.Sc. course in health informatics under the ERASMUS programme.
  PMID: 9726507 [PubMed - indexed for MEDLINE]

• Mantas J.
  Developing curriculum in nursing informatics in Europe.
  PMID: 9726502 [PubMed - indexed for MEDLINE]

• Karistinou E, Dounavis P, Mantas J.
  Hyperlinked Lexicon in Nursing Informatics--a tool for navigating through Nursing Informatics Terminology.
  PMID: 10184907 [PubMed - indexed for MEDLINE]

• Dounavis P, Karistinou E, Mantas J.
  Building nursing informatics courses on the Web.
  PMID: 10179616 [PubMed - indexed for MEDLINE]

• Mantas J.
  NIGHTINGALE--a new perspective in nursing informatics education in Europe.
  PMID: 10179605 [PubMed - indexed for MEDLINE]

• Dounavis P, Karistinou E, Diomidus M, Mantas J.
  Using World Wide Web technology for educating students in the health care sector.
  PMID: 10179754 [PubMed - indexed for MEDLINE]

The WISECARE Project and the impact of information technology on nursing knowledge.
PMID: 10175393 [PubMed - indexed for MEDLINE]

- Plati C, Lemonidou C, Priami M, Baltopoulos G, Mantas J.
The intensive care units in greater Athens: needs and resources.
PMID: 9035627 [PubMed - indexed for MEDLINE]

- Lemonidou C, Plati C, Brokalaki H, Mantas J, Lanara V.
Allocation of nursing time.
PMID: 9060782 [PubMed - indexed for MEDLINE]

- Raya A, Mantas J, Priami M, Andrea S, Brokalaki H, Kyritsi H, Androulaki O.
Formulation and testing of a nursing assessment form for mental patients as a basis for individualized nursing care.
PMID: 7773701 [PubMed - indexed for MEDLINE]

- Mantas JP, Burks RT.
Lisfranc injuries in the athlete.
PMID: 7805102 [PubMed - indexed for MEDLINE]

- Plati C, Lanara VA, Katostaras T, Mantas J.
Nursing absenteeism--one determining factor for the staffing plan.
PMID: 7724921 [PubMed - indexed for MEDLINE]

- Bloebaum RD, Ota DT, Skedros JG, Mantas JP.
Comparison of human and canine external femoral morphologies in the context of total hip replacement.
PMID: 8126013 [PubMed - indexed for MEDLINE]

- Ocete Hita E, Loscertales Abril M, Ruiz Extremera A, Carreño Losilla J, Mantas JA, Narbona López E.
Incidencia de las infecciones por Candida en neonatos de bajo peso al nacer. Importancia de un método de diagnóstico precoz.
PMID: 8363154 [PubMed - indexed for MEDLINE]

- Mantas JP, Bloebaum RD, Skedros JG, Hofmann AA.
Implications of reference axes used for rotational alignment of the femoral component in primary and revision knee arthroplasty.
PMID: 1479373 [PubMed - indexed for MEDLINE]

- Mantas JP, Bloebaum RD, Hofmann AA.
Histologic analysis of a retrieved expanded polytetrafluoroethylene posterior cruciate ligament.
PMID: 10171551 [PubMed - indexed for MEDLINE]

- Plati C, Lanara V, Mantas J.
Risk factors responsible for patients' falls.
PMID: 1641531 [PubMed - indexed for MEDLINE]

Psychosomatic nursing assessment of psychiatric patients.
PMID: 1891581 [PubMed - indexed for MEDLINE]