

**IITM**  
**International Institute of Tele-Medicine**

In collaboration with @ITIM (Italian Association of Telemedicine and Medical Informatics)

**Polo Tecnologico Universitario Desio**

VILLA TITTONI - TRAVERSI

Desio (Milano) Lombardia Region

**IMMIT: INTERNATIONAL MASTER ON  
MEDICAL INFORMATICS  
& TELEMEDICINE**  
JULY 2007 - JUNE 2008

**Lessons, labs, e-learning studies and stages (900 hours)**

200 hours on site (1 week every 3 months)

180 hours by e-learning

250 hours individual study

250 hours stage in hospitals, universities, ICT companies, etc.

20 hours for examinations

**Program:**

The on site lessons will be divided in 4 modules of 50 hours (1 week / 6 days)

- 1<sup>st</sup> module**  
(9-14/07/07)
- Data information and knowledge in Medicine
  - Classification and coding systems of medical information (ICD, SNOMED, etc.)
  - Medical records and clinical data bases
  - Multimedia databases in biomedicine (data, signals, images, etc.)
  - Data base in health care and registers in epidemiology (clinical, genomics, etc.)
  - Biological and genomic data banks and bioinformatics aspects
  - Data analysis and statistical software (i.e. SPSS, SAS, etc.)
  - Data Mining and neural networks in biomedicine
  - Artificial intelligence in medicine and aspects of neuroinformatics
- 2<sup>nd</sup> module**  
(15-20/10/07)
- DBMS and programming languages for medical informatics (Cache system, etc.)
  - Medical and Hospital information system: ADT, CIS, LIS, etc.
  - RIS/PACS and medical imaging
  - Standards in medical informatics (HL7, DICOM, XML, ...)
  - Health information systems (local, regional and national)
  - Smart cards in healthcare services
  - Networking and infotelematic infrastructure in health care and communication lines (fixed, mobile, wi-fi, etc.)
- 3<sup>rd</sup> module**  
(21-26/01/08)
- Telemedicine: definitions and applications
  - Teleconsulting, teleradiology, telemonitoring, etc.
  - Telecardiology, teleradiology, telepathology, teledermatology, teleophthalmology, teleemergency, etc.
  - TeleHomeCare and telesurveillance of medical parameters (data, signals, etc.)
  - pHealth and biomedical devices
- 4<sup>th</sup> module**  
(14-19/04/08)
- Intra-extranet in hospital and health care services
  - Internet in health care and facilities
  - Medical Web site and portals in health care
  - Telemedicine web based systems
  - Web services and Grid technologies in biomedicine and healthcare

Examination will be held at beginning of July



## Faculty:

Giuseppe Andreoni (Polytechnic of Milan, Italy)  
Roberto Antonicelli (National Institute of Ageing, INRCA, Ancona, Italy)  
Claudio Azzolini (University of Insubria, Hospital of Varese, Italy)  
Nello Balossino (University of Torino, Italy)  
Branko Celler (University of New South Wales Sydney, Australia)  
Pier Giorgio Cerello (National Institute of Nuclear Physics, Torino, Italy)  
Dominic Clark (European Bioinformatics Institute, Hinxton, Cambridge, UK)  
Salvatore Corrao (University of Palermo, Italy)  
Agostino Faravelli (A.O. of Vimercate, Desio Hospital, Italy)  
Piermario Gerthoux (A.O. of Vimercate, Sesto San Giovanni Hospital, Italy)  
Wojciech Glinkowski (Medical University of Warsaw, Poland)  
Enrico Guffanti (INRCA, Casatenovo, Italy)  
Kiyomu Ishikawa (Hiroshima University, Japan)  
Yannis Keklikoglou (TEI University, Athens, Greece)  
György Kozmann (University of Veszprém, Hungary)  
Annamarija Margan (Eastern Mediterranean Region Inusla - INT, Croatia)  
Giancarlo Mauri (University of Milan-Bicocca, Italy)  
Ioana Moisil (Sibiu University, Romania)  
Alfredo Nicolosi (CNR ITB, Segrate - MI, Italy)  
Eugenio Parati (National Institute of Neurology, Milan, Italy)  
Gianni Pellicanò (Careggi Hospital/University, Florence, Italy)  
Gianfranco Piacentini (Catholic University, Piacenza, Italy)  
Silvana Quaglini (University of Pavia, Italy)  
Abdel-Badeeh Salem (Ain Shams University, Cairo, Egypt)  
Yuval Shahrar (Ben-Gurion University, Israel)  
Lacramioara Stoicu-Tivadar (University "Politehnica" Timisoara, Romania)  
Valery Stoliar (Telemedicine Society, Russia)  
Miriam Sturkenboom (Erasmus University Rotterdam, The Netherlands)  
Marco Villa (ASL Cremona, CNR ITB, Italy)  
Anton Vladzmyrskyy (Regional Telemedicine Centre, Donetsk, Ukraine)  
Peter Waegemann (Medical Record Institute, Boston, USA)  
Yukako Yagi (University of Pittsburgh, USA)



**Master Director: Francesco Sicurello (President of @ITIM/IITIM, PTUD - Lombardia Region, University of Milan Bicocca)**

**Number of participants: 35**

**Costs: € 4.000,00 (€ 2.500,00 for students or new graduates in year 2006)**

**Deadline: May, 31 2007**

### **For more information contact:**

IMMIT secretary : Patrizia Magretti, Valeria Bellettato, Marco Brioschi

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