

December 2<sup>nd</sup>, 2015, 2:30pm

Department of Electrical, Computer and Biomedical Engineering  
(Dip. Ingegneria Industriale e dell'Informazione)

Meeting Room, floor D

Via Ferrata, 5 Pavia

## WORKSHOP

### Medico-legal issues in decision support systems and telemedicine

Regardless of their computerization, legal implications of clinical practice guidelines are debated for some time. However, computerization and distribution of decision support through telemedicine and homecare systems add some specific issues. Thus, successful implementation of Medical Informatics applications require developers to take into account several aspects that go far beyond pure technology. Collaboration of bioengineers and physicians with experts on human factors and legal issues are of paramount importance. These aspects are often underestimated in research projects, and this jeopardizes real-world deployment of medical informatics systems. In this workshop we will leverage on some e-health and m-health applications developed in our labs to raise a number of doubts and issues related to the medico-legal consequences of any problem that could occur using those systems. For example, who's liable for an erroneous recommendation from a computerized clinical practice guideline? Who's liable if a patient does not receive an expected alert on his smartphone? Or if a doctor does not receive the correct information for a data transmission problem? Who's responsible for updating a decision support system in the light of new scientific knowledge? What are the documents that physicians, engineers and patients must share in order to make the use of these systems as safe as possible and to make the responsibilities clear? Is *information anytime anywhere* going to engage physicians 24h, 7/7?

Proff. Mor Peleg from Haifa University and Yuval Shahr from Ben Gurion University (Israel) will join the workshop via Skype.

#### The organizer committee

Silvana Quaglini, Biomedical Informatics Lab "M. Stefanelli", CHT  
Amedeo Santosuosso, Dept. of Law, ECLT, CHT  
Carlo Napolitano, Molecular Cardiology, Fondazione S. Maugeri

The workshop is open to all interested parties, however a confirmation mail is appreciated for a better organization. To this aim and for any further information: [silvana.quaglini@unipv.it](mailto:silvana.quaglini@unipv.it), 0382 985058