



# **SEMINAIRE DU LISA**

**Mardi 6 octobre à 9h30**

**Edite FIGUEIRAS (University of Coimbra, Portugal and LISA)**

**Towards a new laser Doppler flow meter able to discriminate between blood perfusion signals from superficial and deeper skin layers. A collaborative project between the Instrumentation Center of the Physics Department (University of Coimbra, Portugal) and LISA (France)**

We will begin with a brief presentation of the Portuguese institution involved in the collaborative project (Physics Department of the Faculty of Sciences and Technology, University of Coimbra, Portugal). Then, the features of a new laser Doppler flow meter under construction will be presented. This flow meter aims at discriminating blood perfusion signals from superficial and deeper skin layers. The calibration method proposed will also be presented, as well as the validation system (phantom). The presentation will end with the future work which will be dedicated to Monte Carlo simulations (collaborative work with a group from The Netherlands).