



A HUMABIO exhibition stand has been accepted for the IST 2006 Event. In the exhibition, the biometric authentication potential of features extracted from physiological signals and anthropometric profile will be demonstrated in addition to the presentation of HUMABIO's concept and application scenarios. The objective of the stand is to promote the innovative results of the HUMABIO project to a wider community of potential users, and to provide a basis for future developments in the 7th Framework Programme.

A system for human identification based on physiological signals analysis will be displayed and tested. Visitors will actively participate by having their own brain electrical activity measured with only few electrodes, those of easiest and less intrusive application. A visual rendering of the EEG or ERP will be shown on a screen, while its characteristic features will be extracted and compared with a pre-existing database, in resemblance with a real high security system. As the visitor will not be included in the existing database, the system will classify the signal as coming from an intruder and an imaginary access or resource will be denied. Moreover, a seat with embedded strain sensors will be used by visitors in order to get features calculated from their anthropometric profile. This procedure may take place simultaneously to the EEG/ERP acquisition, as an example of multimodal biometrics system.

The IST 2006 Event is organised by the European Commission, the Finnish Ministry of Trade and Industry and Tekes, the Finnish Funding Agency for Technology and Innovation. It includes a high-level conference, an exhibition of research results from across Europe and a programme of networking sessions and workshops. The Event aims to show concrete results of research in and around Europe within the field of information and communications technologies.

It will be held in Helsinki, on November 21st – 23rd.