

MIUR PROPOSAL FOR SCIENCE WEEK- BEIJING MAY 2005

ViTA Project- Home Medical Video Tele Assistance

Introduction

During the Science and Technology Week that will take place in Beijing next May we plan to have a speech to introduce “Home Medical Video Tele Assistance” (ViTA) project and to set up an exhibition area to give a real time demonstration of the system.

This document is a summary of the presentation.

ViTA System is an effective evidence of quality of life improvement by means of technology, referring to elderly, sick or disabled people that need constant health monitoring.

The opportunity to get medical data at the same time with audio and video communication is an interesting and topical subject that involves technological, economical, social and human subjects.

Speech

Since ViTA is a technological solution for real time remote monitoring of patients, the spokesmen will introduce the system and the application .

The speech will take about 30/45 minutes in total and will focus on two aspects:

- Technology
- Medical Diagnostic and Monitoring effectiveness

Technology

We will give some explanation about the technology the system uses to integrate real time audio and video plus medical data.

A basic description of the devices used for audio and video coding and how interoperability with electromedical equipments works will be given as well.

The target of this speech is give people a basic understanding of system technology and project implementation organizational model.

Medical Diagnostic Effectiveness

A specialized doctor that works in the telemedicine research field and is involved in the deployment of this project will give an overview of the system’s diagnostic effectiveness.

He will describe which kind of disease can be monitored and how real time remote medical data acquisition is effective from a medical point of view and is good for patients physical and psychological health.