

## **OLDES: Improved welfare for diabetic patients**

**D. Novák and O. Štěpánková**

Charles University, Third Department of Medicine, Czech Republic

**M. Mráz and M. Haluzík**

Czech Technical University in Prague, Faculty of Electrical Engineering

High standards of welfare in developed world has led to overall aging of population thus increasing the percentage of people in need of supportive care at home. The OLDES project of tele-accompany approach represents a step forward of the EU funded research project giving aged people living at home a digital companion, in the form of a low cost PC. The device will implement various entertainment channels, but in a way that makes information transparent and easy to use for the old and disabled people. The approach proposed is an integrated web-based system able to manage information and “knowledge” regarding the domestic environment and the biological conditions.

Furthermore, OLDES offers *health care facilities* based on established Internet and tele-care communication standards. One example of this facilities is better compensation of diabetes in hard-to-compensate patients by monitoring continuous glucose measurement, blood pressure, heart rate, weight of patients and weight of patients' daily food.