

HERMES - Cognitive Care and Guidance for Active Aging

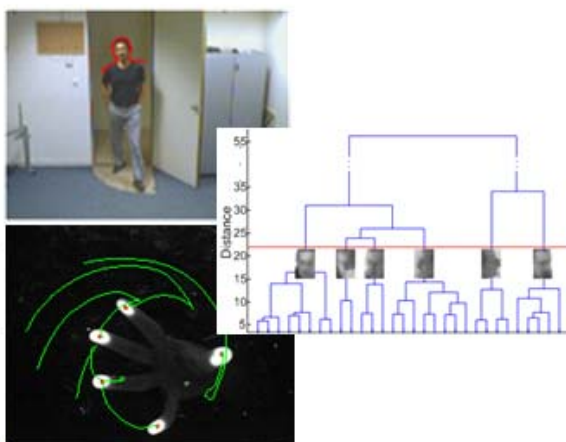
Program/Call Reference, Strategic Priority, Grant Agreement Number, Project Type

FP7 THEME 7.1.1: ICT and Ageing

Grant agreement no: FP7 216709, Small of medium-scale focused research project

Project Objectives

HERMES provides an integrated approach to cognitive care. This is achieved through an assistive technology that combines the functional skills of the older person to reduce age-related decline of cognitive capabilities and assist the user where necessary. Based on intelligent audio and visual processing and reasoning, the project results in a combination of a home-based and mobile device to support the user's cognitive state and prevent cognitive decline. HERMES assesses the following five core objectives:



- Facilitation of episodic memory through the capture of content in audio and image including when, where, who, what and why of a moment.
- Cognitive training through games that are related to contextual information.
- Advanced activity reminding to assist the user's prospective memory in performing everyday tasks and to support independent living.
- Conversation support on the grounds of interactive reminiscence based on the

recordings of important moments in everyday life.

- Mobility support to address the needs of the user outside of the house with cognitive support when and where needed

Project Starting Date and Duration / Total Cost – Total EU Contribution

1/1/2008, 36 months / 4.193.355 € - 2.820.000 €

AIT's Role / Principal Investigator

Technology provider / Prof. Aristodemos Pnevmatikakis (apne@ait.edu.gr)

AIT's Main Work Item

Provide audio/visual processing components for indoors sensing of the elderly and manage the knowledge collected from all processing components into services to the user.

Main Partners (7 partners in total)

	Partner Name	Role	Funding
1	CURE	Project Coordinator	652.665 €
2	AIT	Audio/visual signal processing, knowledge management	576.350 €
3	IBM	Speech processing	500.990 €