**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)**

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<thead>
<tr>
<th>Partner Name</th>
<th>Role</th>
<th>Funding</th>
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</thead>
<tbody>
<tr>
<td>1 CURE</td>
<td>Project Coordinator</td>
<td>652.665 €</td>
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<tr>
<td>2 AIT</td>
<td>Audio/visual signal processing, knowledge management</td>
<td>576.350 €</td>
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<td>3 IBM</td>
<td>Speech processing</td>
<td>500.990 €</td>
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