SMART - Search engine for MultimediA enviRonment generated contenT

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

FP7-ICT-2011-7- ICT-2011.1.5 Networked Media and Search Systems (Target Outcome (c) Multimedia Search)
Grant agreement no: 287583, STREP Project

Project Summary

The main goal of the SMART project (http://www.smartfp7.eu) is to research and implement a scalable open source next generation multimedia search engine that will be able to search information stemming from the physical world. The SMART multimedia search engine will be able to answer queries based on the intelligent collection and combination of sensor generated multimedia data, based on sensors and sensor processing algorithms that match the context at hand. The matching of the queries with sensor and sensor processing algorithms (notably audio and video processing algorithms) will be based on the sensors’ context and metadata (e.g., location, state, capabilities), as well as on the dynamic context of the physical world as the later is perceived by multimedia processing algorithms (such as face detectors, person trackers, classifiers of acoustic events, crowd analysis components and more). Furthermore, SMART will be able to leverage social network information in order to facilitate social queries over a multitude of sensor data.

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

1/11/2011, 36 months / 4.425.00 € - 2.686.292 €

AIT's Role / Principal Investigator

Technical Manager of the project; Prof. John Soldatos (jsol@ait.gr) (Technical Manager), Prof. Aristodemos Pnevmatikakis (apne@ait.gr) (WP4 leader and SMART Visual Processing Leader)

AIT's Main Work Items

Visual Signal Processing, Reasoning, Semantic Modeling and Linked Data, Social-Sensor Networks Integration

Main Partners (9 partners in Total)

<table>
<thead>
<tr>
<th>Partner Name</th>
<th>Role</th>
<th>EC Funding (approx.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ATOS ORiGIn</td>
<td>Project Coordinator</td>
<td>466.685,00 €</td>
</tr>
<tr>
<td>2 AIT</td>
<td>Research, Technology, Technical Manager</td>
<td>401.325,00 €</td>
</tr>
</tbody>
</table>