4 Project Fact sheet

EUMSSI- Event Understanding through Multimodal Social Stream Interpretation

The main objective of EUMSSI is developing technologies for identifying and aggregating data presented as unstructured information in sources of very different nature (video, image, audio, speech, text and social context), including both online (e.g., YouTube) and traditional media (e.g. audiovisual repositories), and for dealing with information of very different degrees of granularity. The multimodal analytics will help organize, classify and cluster cross-media streams, by enriching its associated metadata. A core idea is that the process of integrating content from different media sources is carried out in an interactive manner, so that the data resulting from one media helps reinforce the aggregation of information from other media, in a cross-modal interoperable semantic representation framework.

This will be accomplished thanks to the integration in a multimodal platform of state-of-the-art information extraction and analysis techniques from the different fields involved. Interoperability and interactive reinforcement of the data aggregation and a high-level semantic, conceptual and eventive representation will distinguish this proposal from others that incorporate multimodal search.

The resulting platform will be potentially useful for any application in need of cross-media data analysis and interpretation, such as intelligent content management systems, personalized recommendation, real time event tracking, content filtering, etc.

Partners

The project brings together 5 universities and research centers, a public service broadcaster and a SME providing solutions for the media industry. The real-world necessities of the 2 user partners motivate two strong use cases that have immediate market applicability.

Universitat Pompeu Fabra
Spain

Language and Speech Technology (LE MANS)
France

Gottfried Wilhelm Leibniz Universität Hannover
Germany

Fondation de l'Institut de Recherche IDIAP
Switzerland

Gesellschaft zur Förderung der Angewandten Informationsforschung
Germany

Deutsche Welle
Germany

VIDEO STREAM NETWORKS, S.L.
Spain

Website

http://www.eumssi.eu/

Administrative details

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Contacts

Antoni Badia (toni.badia@upf.edu)