



IntuView



Dr. Shmuel Bar

sbar@intuview.com

www.intuview.com

IntuView is a leading developer and provider of semantic text-analytic solutions for unstructured text that combine cutting-edge natural language processing with semantic ontology-based technology for document exploitation.

Established in 2006, IntuView leads the artificial-intuition revolution with field-proven technology and solutions for sentiment analysis, entity extraction, name matching and idea mining in a variety of languages, including English, Arabic, French, Spanish, Urdu and Indonesian.

IntuScan™ is a platform for real-time semantic text analytics in a variety of supported languages. The purpose of IntuScan™ is to extract all relevant information from a large quantity of unstructured texts and to generate a structured representation as well as human-readable report, which provides categorization of the document (genre, topic, political/ideological leanings), entities, sentiments, ideas (see Figure 1) and other information implicit in the document. IntuScan™ uses domain specific ontologies for processing texts on the semantic level. The current implementation contains ontologies for the relevant verticals, including defense-related packages (e.g. terror and radical ideologies, explosives and more). IntuScan™ identifies more

than 60 languages and is capable of distinguishing between different languages using the same character sets (Arabic, Farsi, Urdu etc.). In addition, IntuScan™ can identify multi-lingual texts and “hybrid language texts” created by insertion into a primary language text words from a person’s native tongue. IntuScan™ performs extraction, resolution and matching of entities (persons, places, organizations, events etc.). IntuScan™ not only finds words in the text that represent such entities but resolves occurrences (including those written in different writing systems such as Latin, Arabic and Cyrillic) that represent the same entity into a single representation, enhances the identification with implicit and contextual information in the text, and performs name analysis based on culture-specific naming conventions. IntuScan™ also extracts ideas from the text. Ideas that may be important for the user (e.g. suicide bombing preparation, preparation of an improvised explosives, threats and more). Finally, IntuScan™ generates a natural language report for any given document. The report characterizes the document and presents the key ideas in their appropriate context. The report is currently available in English and French. This information is also generated in a RDF structure that is stored in a triple-store semantic database for future query.

IntuView’s solutions are easily and flexibly integrated into business intelligence systems, defense applications, homeland security and commercial markets. Analyzing documents to discover security threats or to maximize marketing and sales opportunities over social networks – IntuView’s technology untaps the potential of unstructured digital texts.

Leveraging the company’s years of experience and accumulated knowledge in the defense and homeland security sectors, IntuView capitalizes on the value of in-depth analysis of large bodies of text. The company’s solutions extract explicit and implicit information from between lines of text, matching entities and ideas and reporting on significant insights. Providing true multilingual semantic analysis, IntuView’s products are flexibly integrated into existing applications, help in decision-making processes and ensure a competitive edge.

