

Managing documents through the BRAIN technology

Michele Carenini, Omega Generation, Bologna (Italy)

Massimo Vanocchi, YANA Research, Pisa (Italy)

Abstract

The BRAIN technology has been developed in order to manage huge amounts of documents bi-directionally, i.e. as far as storing (through the automatic classification system BRAIN1) and retrieving (through the Natural Language interface BRAIN2) are concerned. The classification system has shown to be highly reliable and customisable, thanks to the merging of well-assessed statistical technologies and advanced Natural Language Processing techniques. The current version of the NL-Interface translates natural language queries into a format to be understood by most used and most advanced search engines towards the web. It manages synonyms and English "translators", thus allowing to retrieve documents "conceptually" linked to the user's request. It can be used also to retrieve information from data bases or documents repositories.