Abstract
This paper presents an approach to the semantic indexes contained in particular topics as well as the most important models for Information Retrieval. They will be dynamically constructed using the annotations contained in the web resources and the definitions in ontologies of the annotation terms used. The indexes are envisioned as active agents that ‘know’ what topics they can handle (i.e. find content for) based upon their own ontologies.

Keywords
Information retrieval, ontologies, P2P, semantic, semantic indexing, taxonomy