**Ontological Engineering in Bio-Medical Informatics**

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**ABSTRACT**

Ontologies were developed in Artificial Intelligence (AI) to facilitate knowledge sharing and reuse. Since the beginning of the nineties ontologies have become a popular research topic investigated by several AI research communities, including knowledge engineering, natural-language processing and knowledge representation. Ontologies are becoming so popular is in large part due to what they promise: a shared and common understanding of some domain that can be communicated between people and application systems for all tasks of e-activities and technologies. Now, ontologies are ubiquitous in many intelligent information-systems enterprises; they are used in e-health and in various tasks of biological and medical sciences.. This talk presents some examples of the developed ontologies by the author and his colleagues at Medical Informatics and Knowledge Engineering Research Labs, Ain Shams University, Cairo, Egypt.