

# **A Method of Capturing Product Data Semantics By Building Engineering Ontology**

**ABSTRACT:** The primary objective of this paper is to conceptualize and develop an approach to capture product data semantics for the integration of engineering applications in a design/analysis domain by building engineering ontologies and metadata. In this paper, we introduce our method of building ontologies, and using metadata to link product data to the concepts in ontologies. We present a method of capturing product data semantics to be utilized in a CAD/CAE integration framework. An example is also given to show how product data semantics is captured from applications in different domains. This is work in progress.