

Discussion session



KW4ED

Workshop on **Knowledge Management and Semantic Web for Engineering Design**

28th October 2007

Whistler, British Columbia, Canada

Supported by:

Semantic Virtual Engineering Environment for Product Design

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Discussion Session:
Semantically enhanced engineering
design: work in progress, and future

Semantically enhanced engineering design: work in progress, and future

- How to build and use an ontology useful for engineering?
- How to build a semantically annotated and semantically accessible project memory?
- How to annotate semantically a design memory: textual documents, multimedia documents, CAD drawing, virtual reality objects?
- How to browse and use an heterogeneous semantic design memory?
- How to extract information and retrieval from a design memory?
- How to mine a design memory?
- How to discover design patters from a design memory?
- How to integrate semantic descriptions and virtual reality?
- How to reason about a design memory?
- How to offer semantic web services for engineering design?
- How to compare knowledge management approaches used in major companies and in SMEs?
- How to support cooperation among a designers' team intra or inter SMEs?
- How to support skills management in engineering design?
- How to support a community of designers?
- How to combine standards used in design to those used in semantic Web?
- Is there any specificity wrt. multilinguality and multimedia?