Modeling Benchmark Challenge Project

http://ontolog.cim3.net/cgi-bin/wiki.pl?ModelingBenchmarkChallenge

mailto:model-challenge@ontolog.cim3.net

Henson Graves
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Project Mission/Charter

• Contribute to the evolution of modeling languages and development of formal semantics
  – Develop modeling examples
  – Express examples in multiple languages
  – Do analysis of language constructions and semantics
Marriage Example (Cory Casanave)

- **Features**
  - Composite structure
  - Temporal aspect
  - Constraints/integrity rules both within a marriage and between marriages
  - Variants of pattern
  - Marriage Instance of composite structure

Instances of Composite Concepts

Focus is on language expressing ontology, not ontology
Distillation Unit Example (Matthew West)

Language Features

1. Distinction between parts and components is useful
2. Spatial-temporal aspects are important
3. Distinctions of kinds of relations are useful
4. Notion of identity is extremely important
Some Near Term Tasks

- Create a metadata ontology to describe and manage the examples
  Name: <text>
  Author: <text> - perhaps this could be filled out automatically
  Related examples: <list of internal urls>
  Description: <text>
  Features: <text list>
  References: <list of urls>

- Start entering examples documenting with fields above
Questions or Comments?