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# Modeling Benchmark Challenge Project

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

<mailto:model-challenge@ontolog.cim3.net>

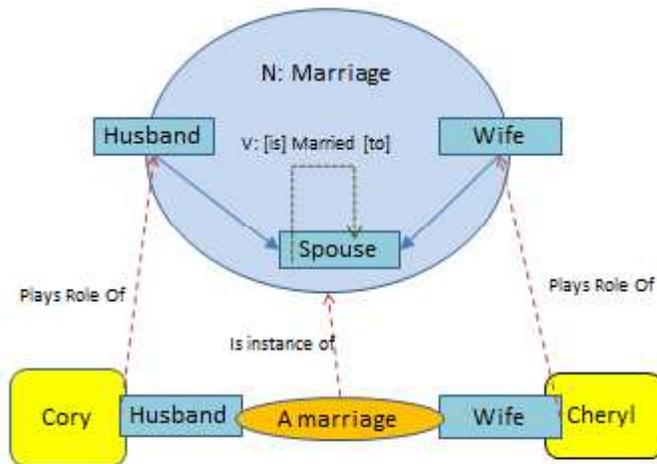
**Henson Graves**  
**April 26, 2012**

# 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)

Instances of Composite Concepts

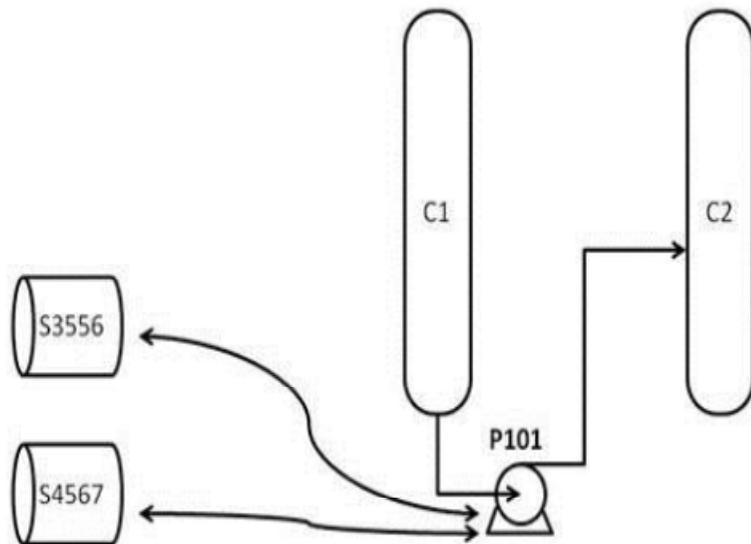


- **Features**

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

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?**