Frank van Harmelen now

- **Knowledge Representation**
  - Very large scale
  - Heterogeneous
- Non-standard forms of **inference**
  - Approximate inference
  - Dynamic, incremental, contextualised
- **Medical** applications of knowledge representation
  - Formalising medical knowledge
  - Using formalised medical knowledge in applications

Frank van Harmelen in 5 years

- Combining symbolic representations with statistical representations

- Combining symbolic representations with self-organising systems