

Computer-supported Knowledge Management on the basis of Semantic Networks in Engineering Design

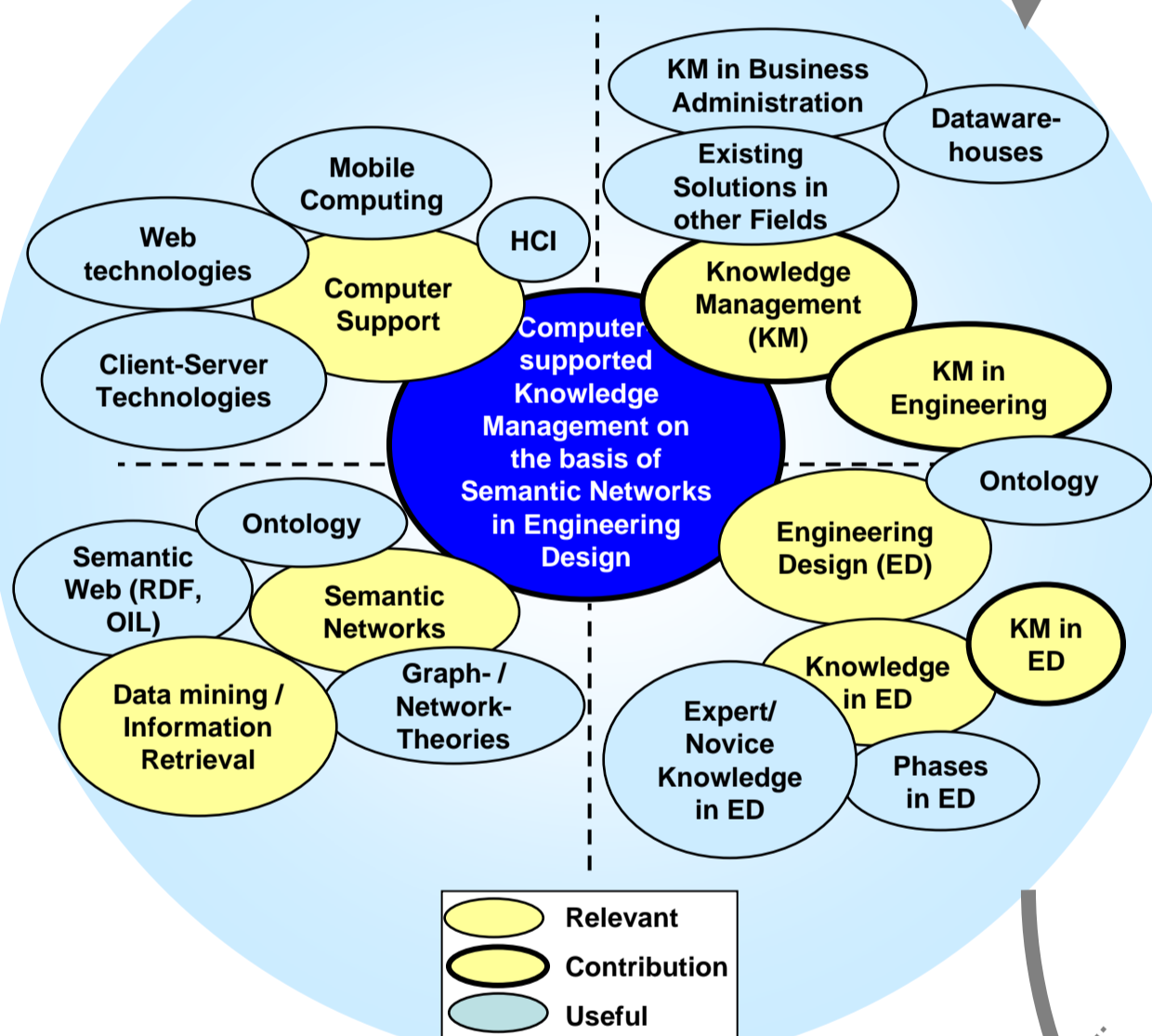
Motivation

- Engineering is very knowledge-intensive
- Understanding and transferring of knowledge are significant to improve innovation
- Semantic Networks seem to be appropriate to represent this knowledge

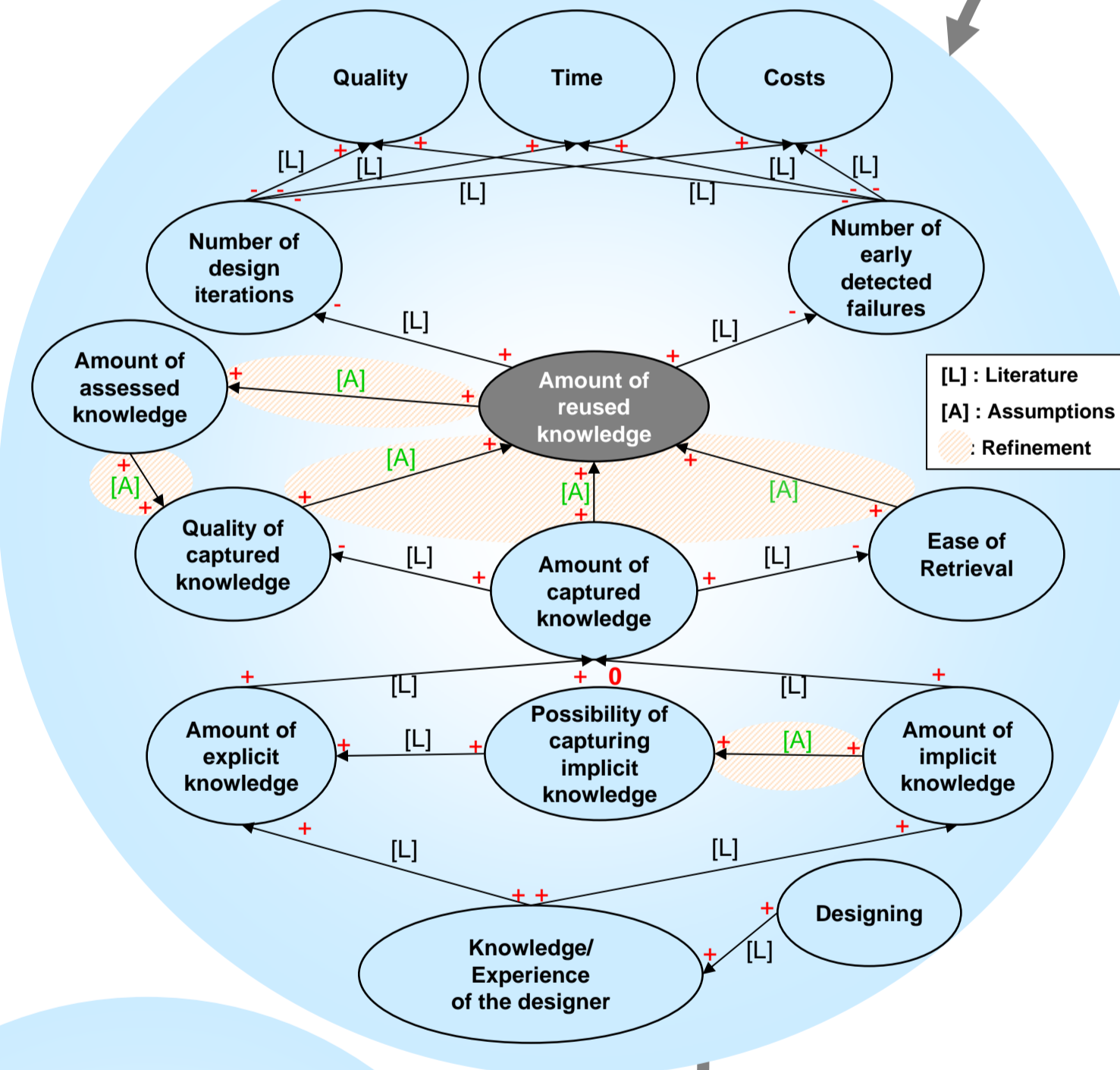
Research Questions

- What are the requirements (esp. capturing and retrieval) for Knowledge Management in engineering design?
- Are Semantic Networks eligible for Knowledge Management in engineering design?
- How could computer-supported Knowledge Management based on Semantic Networks be realized in Engineering Design?

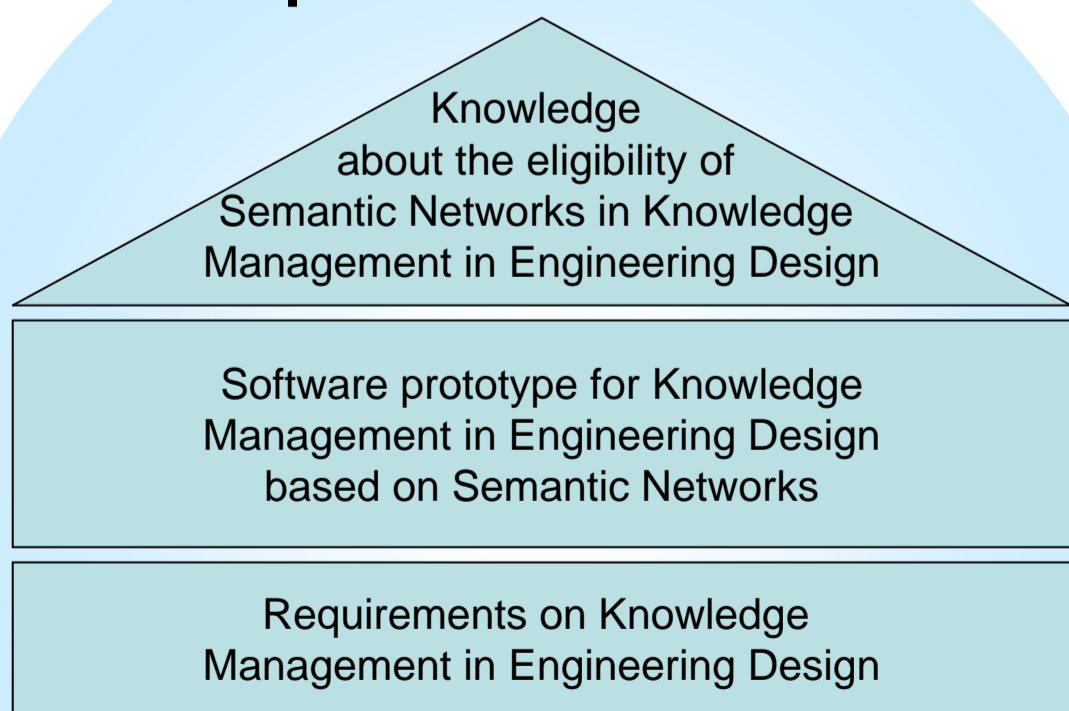
ARC-Model



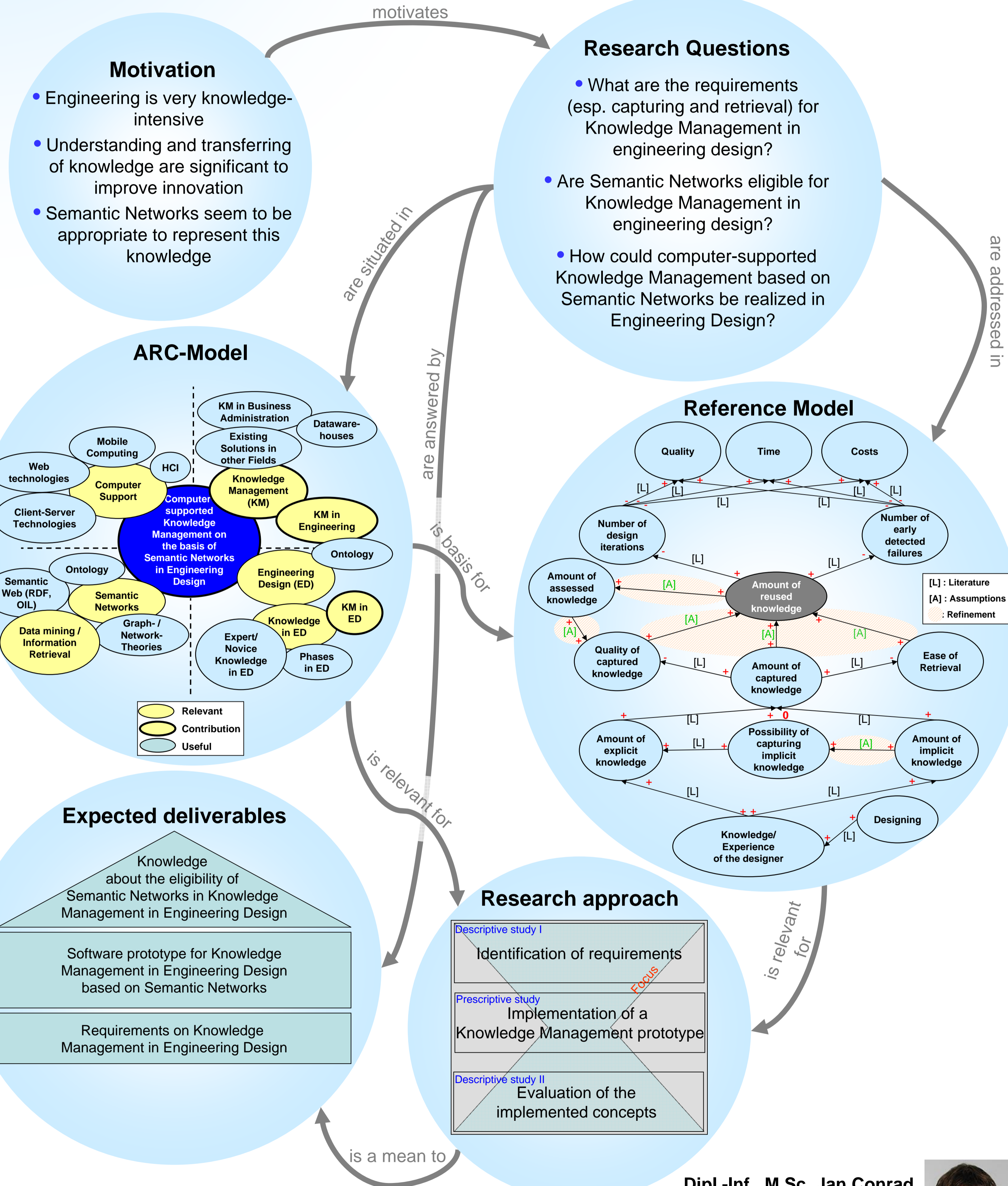
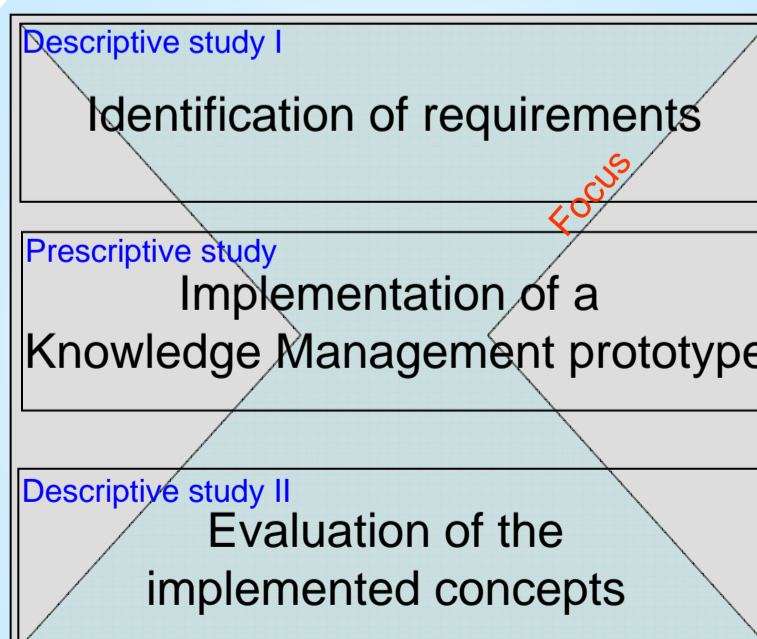
Reference Model



Expected deliverables



Research approach



Dipl.-Inf., M.Sc. Jan Conrad

Tel. +49 (0) 681/302 – 58304

Fax +49 (0) 681/302 – 4858

conrad@cad.uni-saarland.de

