**Context and Motivations**

- People need to visualize different types of interactions between heterogeneous objects: products and sites, customers and products, social network, etc.
- Benefits of interacting with graphs:
  - Facilitate querying: graph query languages
  - Facilitate analysis: graph analysis approach, social network analysis, etc.
- Business context, information is stored in: files, databases and especially relational databases.

**Solution:** Extract Interaction Graphs from relational databases

**Interaction Graph Extraction From relational database**

- **Graph Model Extraction**
- **Direct Interaction Graph extraction**
- **Interaction Graph extraction based on ontology**
- **Interaction Graph based on visual query**

**Example of Graph extraction**

- **Relational database**
- **SPIDER-Graph Schema**
- **SPIDER-Graph Instance**

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** Publications**


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