

## Modeling & Simulation : foundations and advanced concepts

- **Focus is on the DEVS paradigm**
  - towards a more complete formal M&S framework
  - identification and formal specification
- **Combined with formal methods**
  - symbolic reasoning (reuse, composability, trace analysis, V&V...)
  - automated/assisted code synthesis
- **And on the optimization of simulation techniques and user interface**
  - simulation algorithms
  - middleware (interoperability, high/low level specification...)

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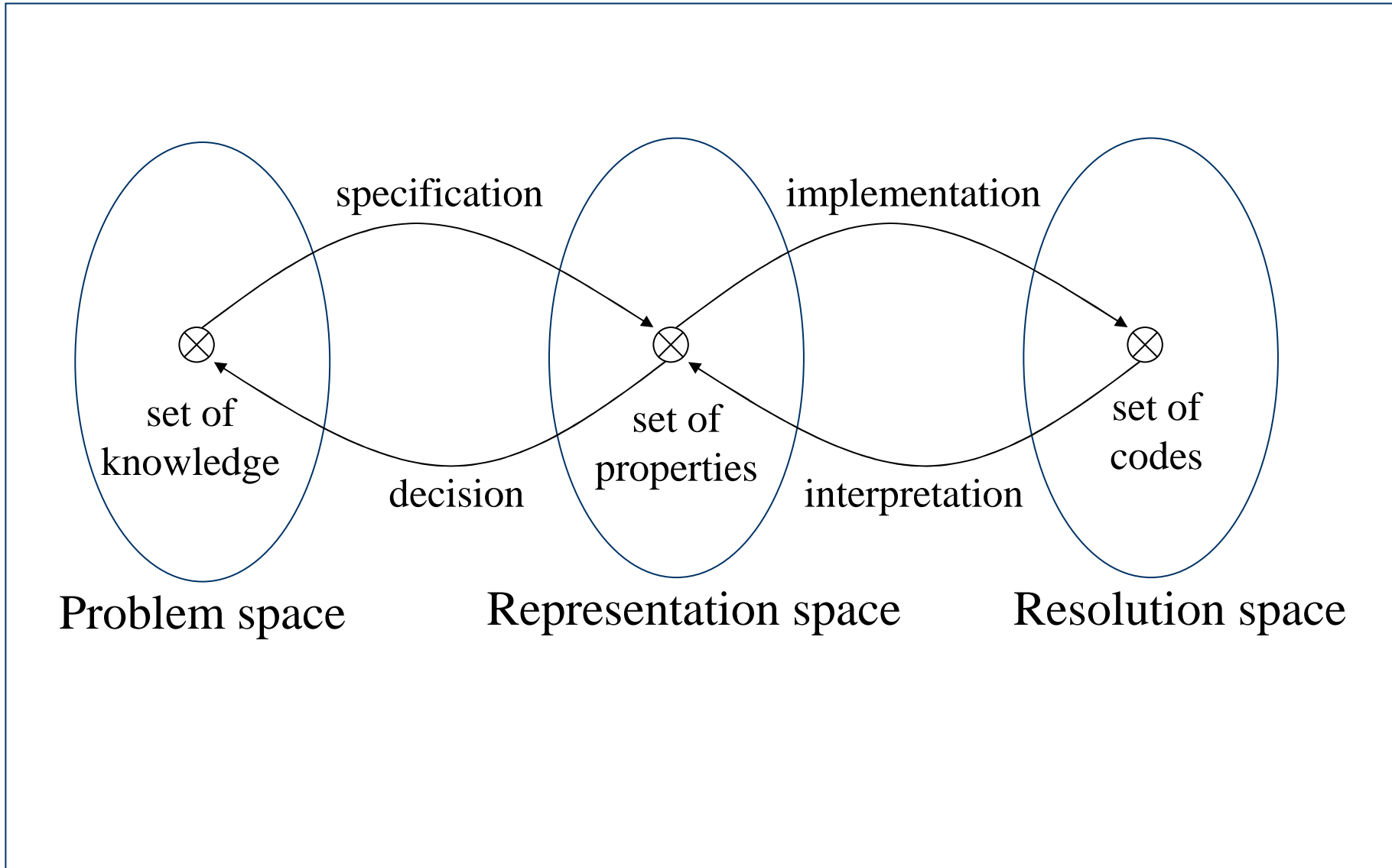


## Continue discussion

- **M&S life-cycle as a set of (model) transformations**
  - ontology
  - mathematical expression
- **Meta modeling to make explicit general rules**
  - theorems?
  - automated mechanisms

## Concrete deliverables

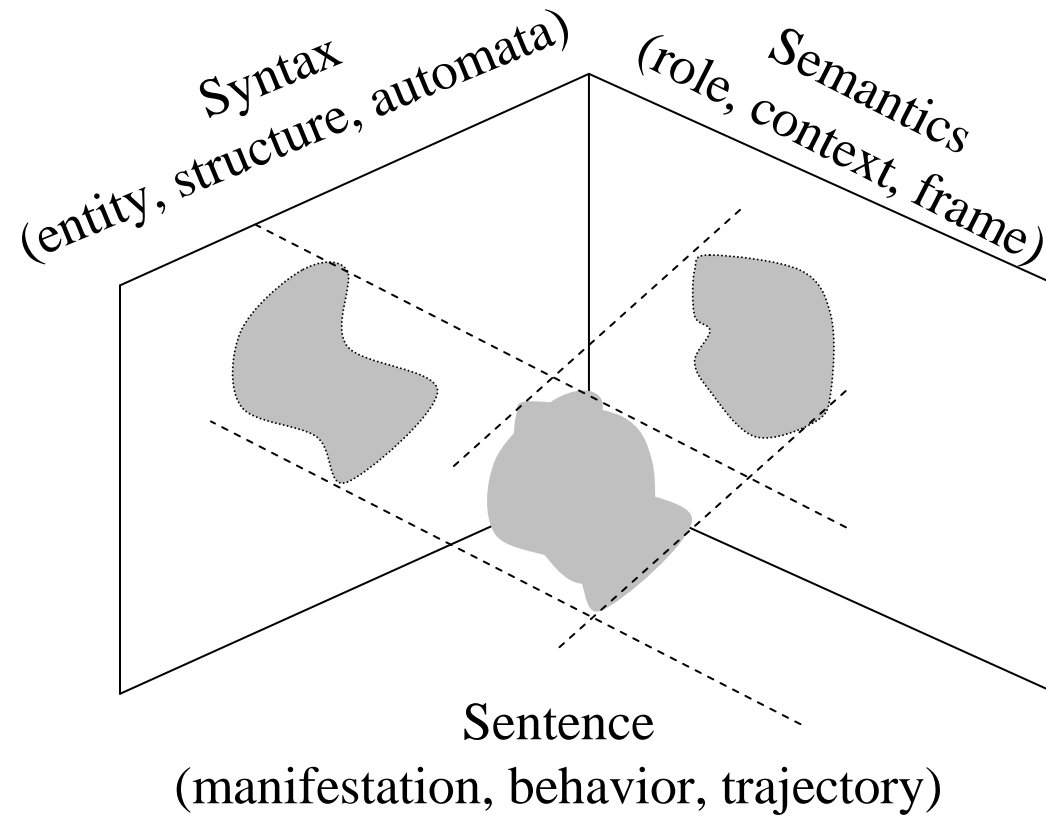
- **Papers**
  - Collaborations

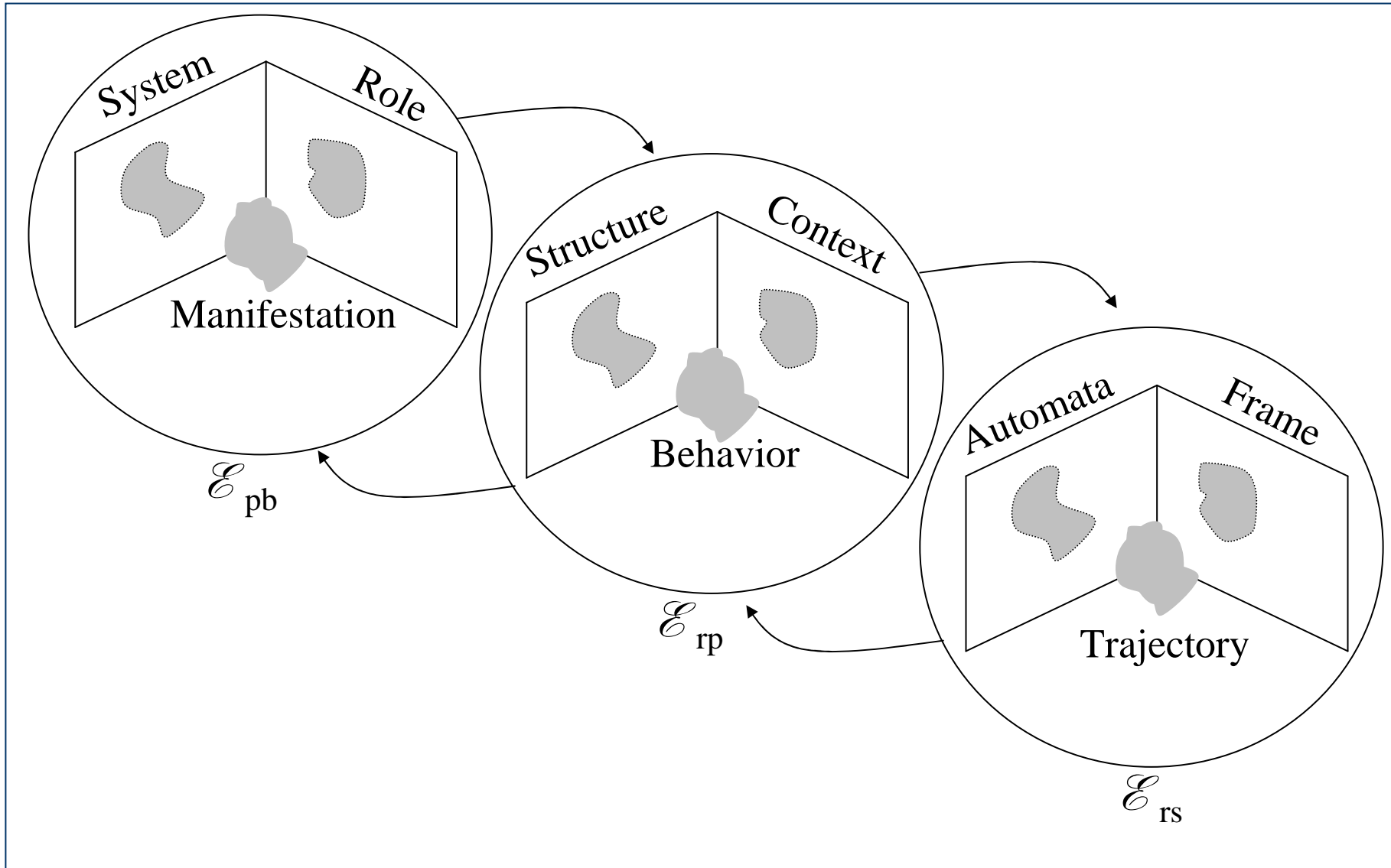




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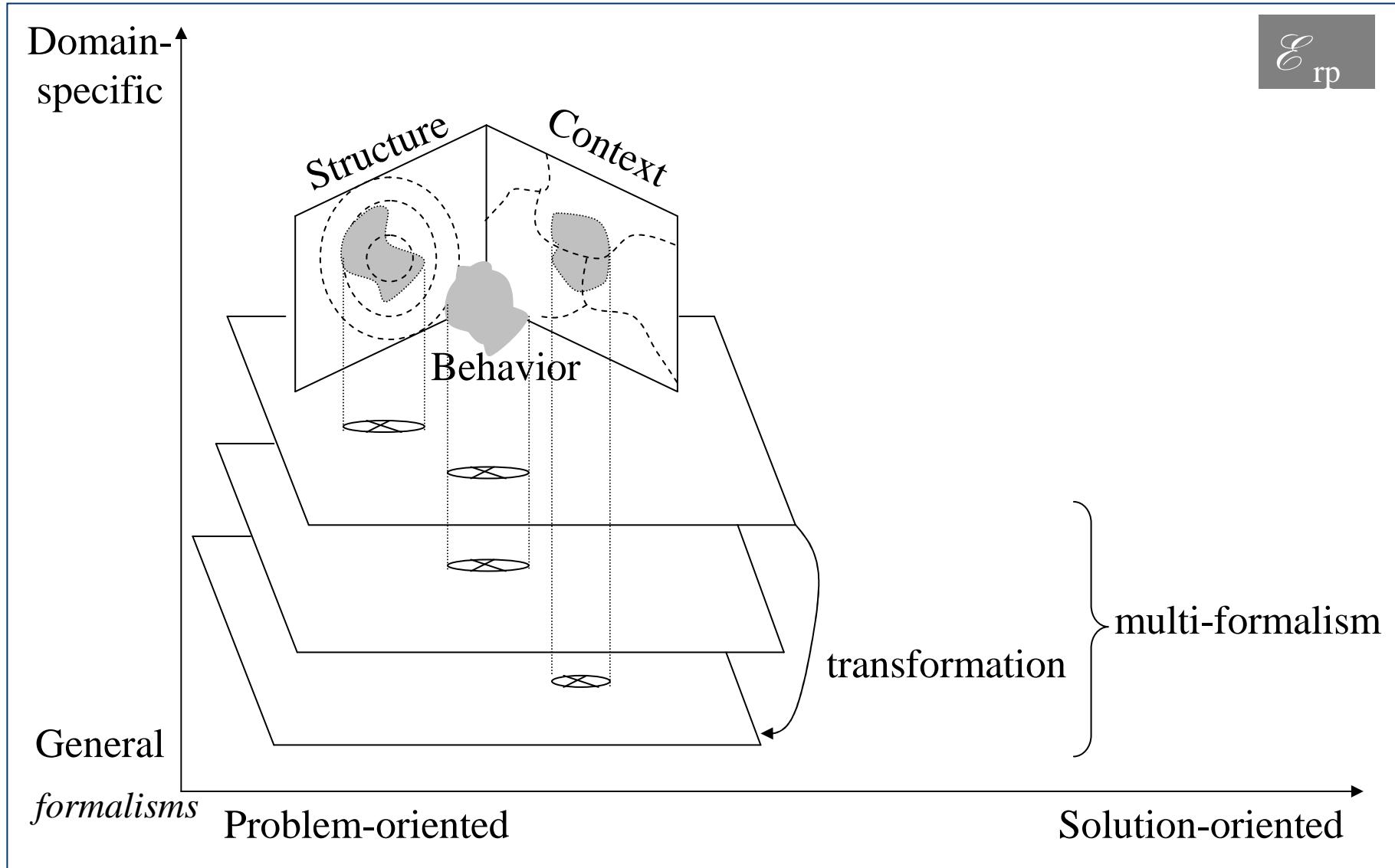




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