Modelling of Software Intensive Systems

Hans Vangheluwe
Complexity

- causes
- solution: different formalisms
- modelling dynamics: different notions of *time*
Modelling Formalisms: Software
Modelling Formalisms

- Class Diagrams, Sequence Diagrams, Automata and Regular Expressions
- Causal Block Diagrams
- Petri nets
- Statecharts
- Discrete-Event World Views
- DEVS
- Cellular Automata
- Agent Based Modelling
- Forrester System Dynamics
- Modelling Physical Systems
- Systems Theory