



## Project Group: P-UMLaut

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# -UMLaut

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## Compilation

- UML XM Description
- MOF Model
- Petri Net creation

## Specification



- UML Tool
- UML 2.0
- Sequence Diagrams
- Activity Diagrams

## Simulation



- PEF Tool - Filter

USER EVENTS

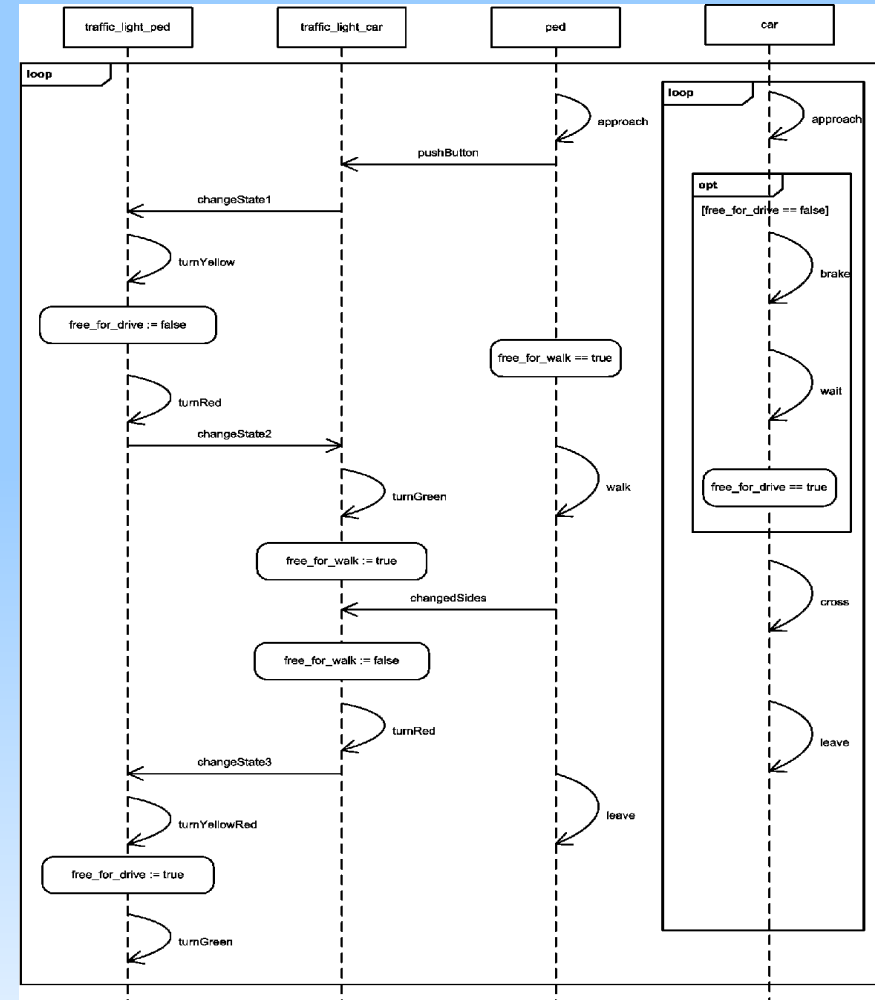
- 3D Animation
- World description defined by user

## Animation

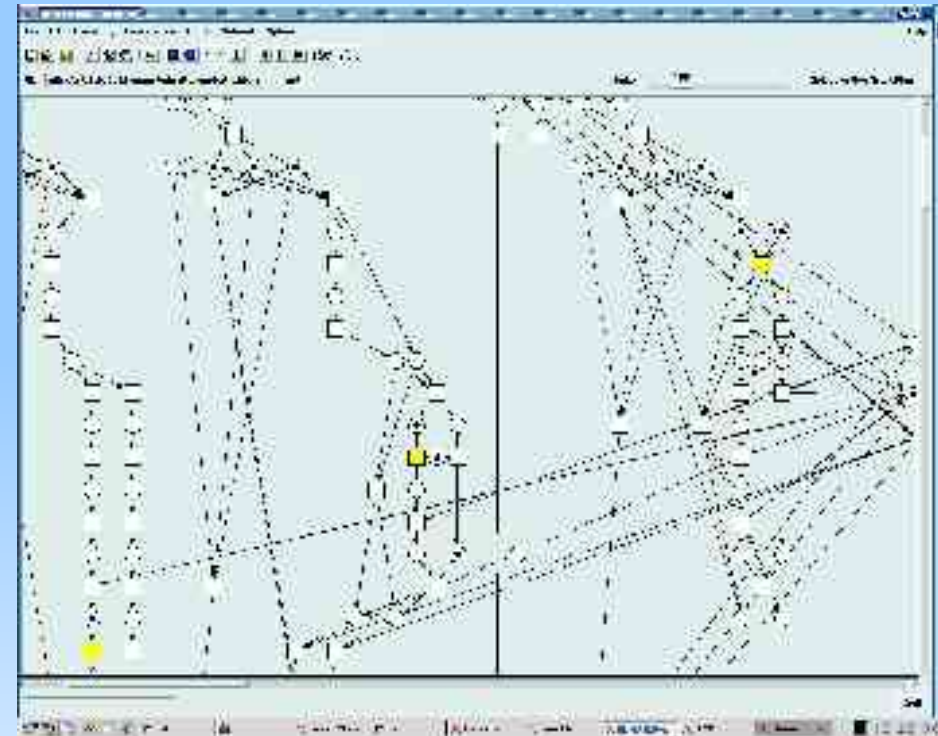


UML events

- Specification:
  - UML 2.0 tool
  - Sequence Diagrams
  - Activity Diagrams
  - Interaction Overview Diagrams
- Compilation:
  - XML description of diagram
  - XMI MOF Model
  - Compilation to Petri net Representation in PNML



- Simulation:
  - PEP tool for simulation of Petri net
  - PEP tool allows verification
  - Filter connects Petri net events and UML events
- Animation:
  - User defined 3D world and animations
  - User triggered events
  - Connection of UML events and animations





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