



# Who am I?

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# My background

- PhD in formal methods/process algebra
  - Event-based models
  - Action refinement
  - Testing theory
- Search for foundations of OO behaviour
  - Dynamic behaviour
  - Reference structure
- Since 2003: graph transformation

# My interests

- Graph transformation for
  - Behaviour modelling
  - Model transformation
- Emphasis on *correctness*
  - For software: model checking
  - For model transformation:
    - semantics definition
    - semantics preservation
  - Vision: defining modelling language semantics as easy as language syntax

# My research

- Theoretical developments
  - Quantified/nested rules
  - Attributed graphs
  - Quantified temporal logic
  - Graph abstractions
- Tool: *GROOVE*
  - State space generation
  - State space reduction
  - Tools to validate theory

# My success criteria

- I am not in modelling
  - Are there correctness issues?
  - Can my research contribute?
- Concrete model transformations
  - Semantics