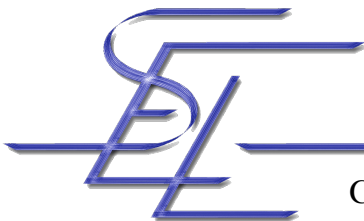


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# CAMPaM

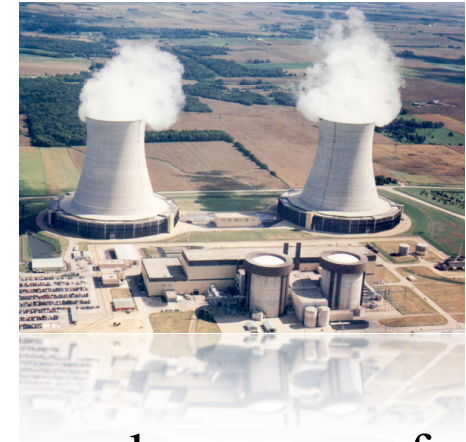
## Self Intro and Wishlist

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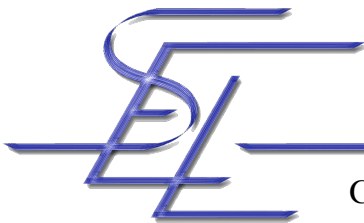
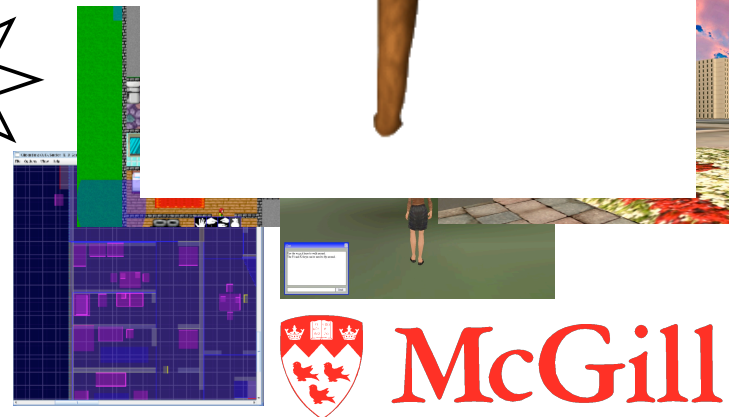
# Research Interests

- **Fault Tolerance**
  - Integrating the concern of fault tolerance into the software development cycle
    - Requirements, Analysis, Architecture, Design, Implementation
  - Modeling of exceptions, concurrency
  - Providing fault tolerance mechanisms to programmers by means of frameworks / libraries
- **Aspect-Oriented Software Development**
  - Can AOP be used to modularize fault tolerance?
  - What features of an AO language affect code reusability?
  - Can AO ideas be applied to specifications written in UML and OCL?
  - Aspect-Oriented Modeling



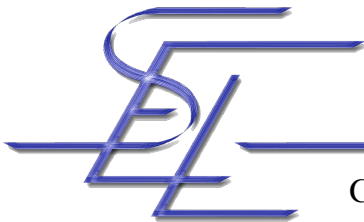
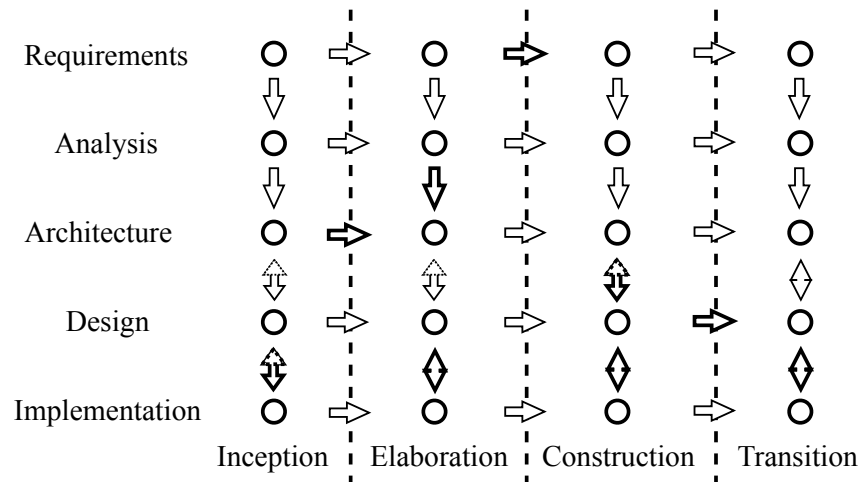
# Current Research / Projects

- Exceptional Use Cases: A Model-Driven Approach for Dependable Requirements Development
- AspectOPTIMA: An Aspect-Oriented Framework implementing Transaction
- Mammoth: A Massively Multiplayer Game Research Framework
  - Modeling Behavior of Computer-Controlled Game Characters



# Wishlist

- Investigate Applications of Multi-Paradigm Modeling
  - Better Understand Multi-View Modeling
    - Modeling Different Concerns of a Piece of Software
    - Modularizing “Crosscutting Concerns” of a Model
  - Better Understand Model Evolution within the Software Development Life Cycle
    - Model Refinement and Transformations between Development Phases
    - Incremental Model Evolution between Development Iterations



# Criteria for Success

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- Learn more about Meta-Modeling
- Understand Technical Details of Model Transformations
- Experience the Power of Domain-Specific Languages
- New Research Collaboration(s)
- Publication(s)

