

# Ptidej Team

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**Ptidej Team – OO Programs Quality Evaluation and Enhancement using Patterns**

Group of Open, Distributed Systems, Experimental Software Engineering

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# Outline

- Who are we?
- What is our aim?
- What is our focus?
- Where are we going?
- What are our contributions?
- Where Is More Information?



# Who Are We?

- 4 Ph.D. students

- Adnen Ghanem
- Foutse Khomh
- Naouel Moha
- Stéphane Vaucher

- 9 M.Sc. students

- Akrab Bouktab
- François Charbonneau
- Norddin Habti
- Mathieu Lemoine
- Janice Ka-Yee Ng
- Yousra Tagmouti
- Julien Tanteri
- Xintao Wang
- ???



# What Is Our Aim?

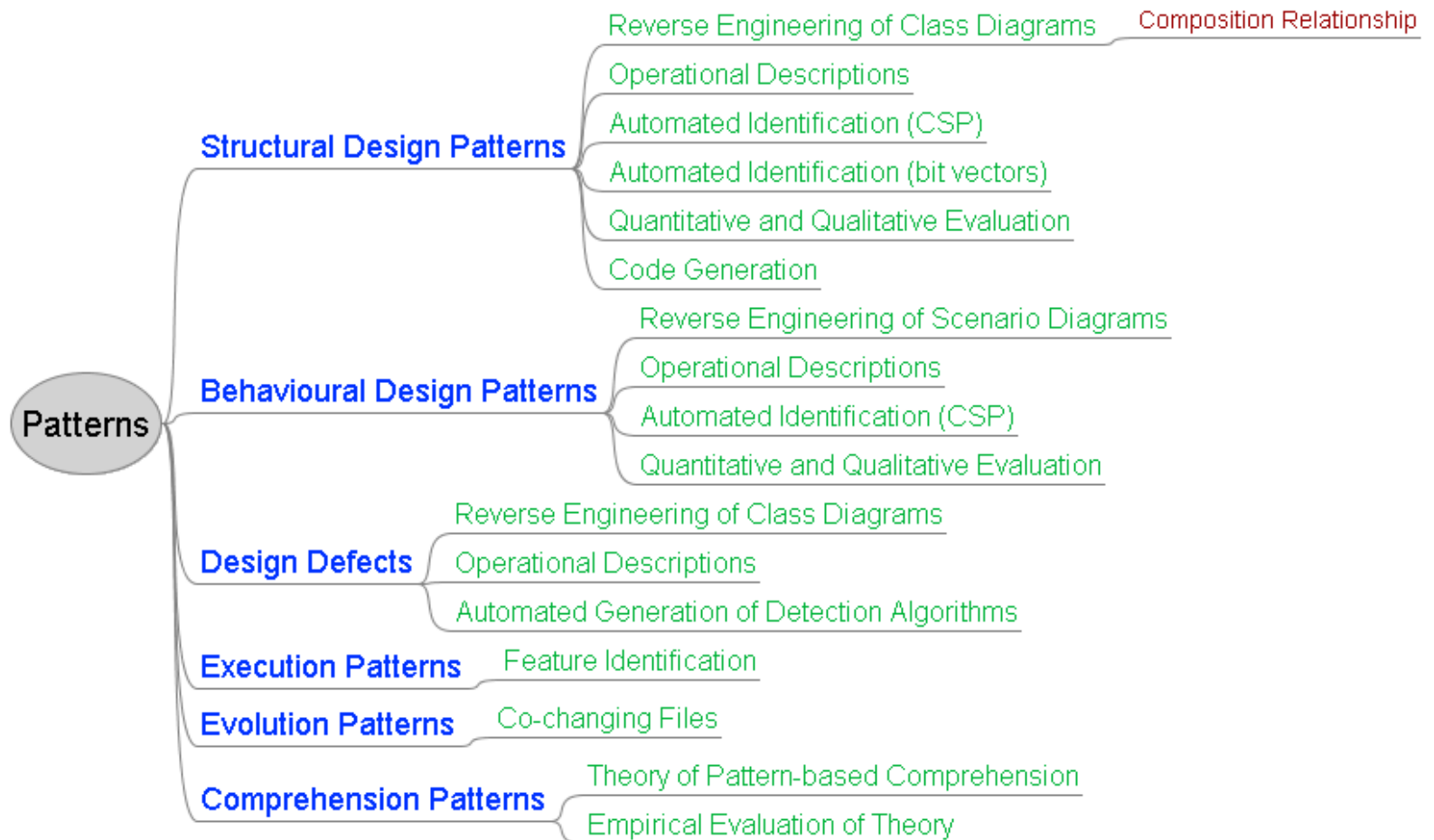
- Developing theories, methods, and tools, to evaluate and to improve the quality of object-oriented programs by promoting the use of idioms, design patterns, and architectural patterns



# What Is Our Focus?

- Patterns: “a form or model proposed for imitation”
- Motifs: “a reliable sample of traits, acts, tendencies, or other observable characteristics”
- Micro-architectures: “concrete manifestation of some motifs in the implementation of a system”

# Where Are We going?





# What Are Our Contributions

- The Ptidej tool suite
  - Pattern Trace Identification, Detection, and Enhancement in Java
- Journal and conference papers
  - CSMR
  - ICPC
  - ICSM
  - OOPSLA
  - TSE
  - WCRE



# Where Is More Information?

- [www.ptidej.net](http://www.ptidej.net)
- [ptidej-info@iro.umontreal.ca](mailto:ptidej-info@iro.umontreal.ca)