

# Towards Transformational Specification of Relaxed Memory Models

Presentation by Akshay Gopalakrishnan  
Supervised by Clark Verbrugge

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# Introduction

# Constructing models using program transformations: Goal



# Simplicity

# Possible Advantages - Theoretical

# Compiler Correctness

# Robustness Conditions



# Compositional Correctness

# Elements to define models

# Constructing base model

# Establishing Equivalence

# Challenges: Part 1

# Challenges: Part 2

# Challenges: Part 3

# Challenges: Part 4





# Thank you

Questions?