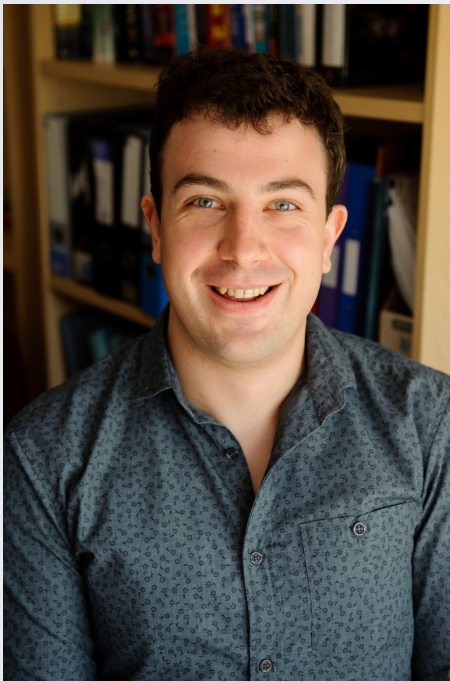


# Using Model Transformation for Mutation Testing

Louis Rose

# ABOUT

I teach and research software engineering.  
Lecturer (York) since 2011.



# AIM

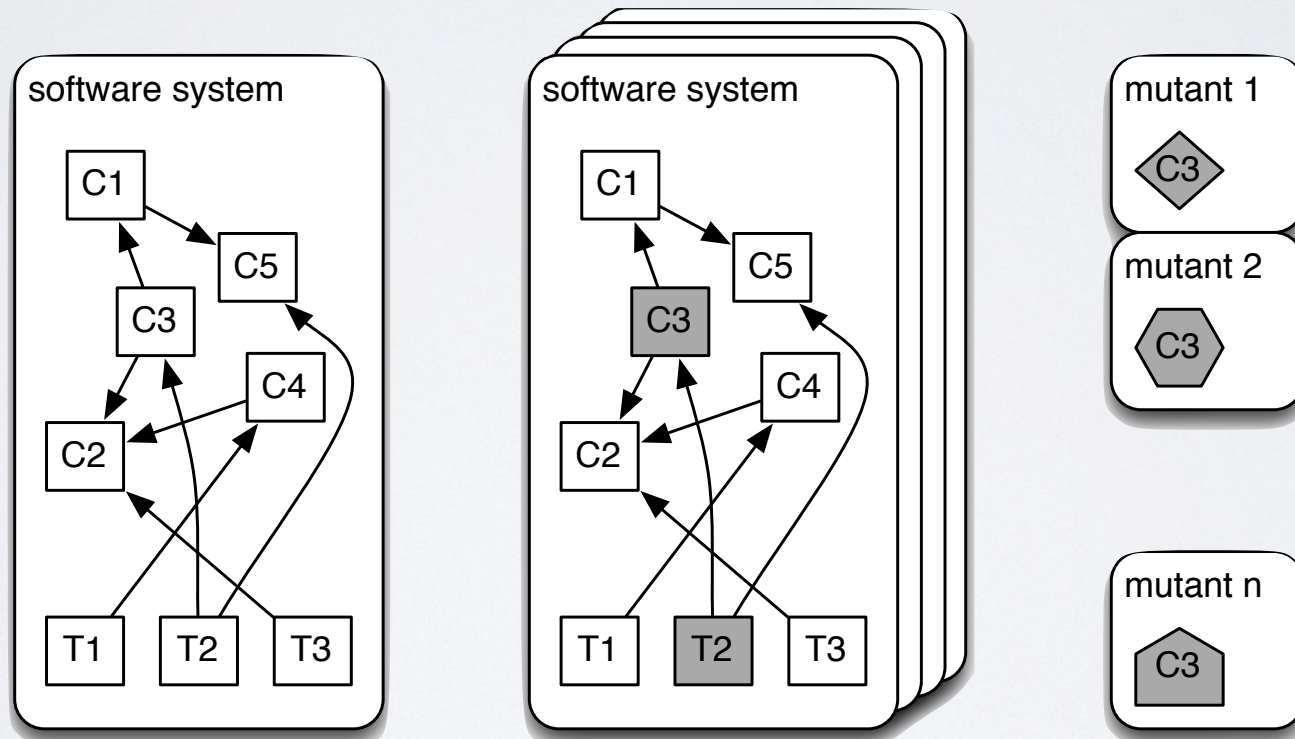
Investigate the extent to which **made-to-measure** testing can increase the quality of software.





# CURRENT WORK

Applying model transformation to improve the efficiency of mutation testing.



# POSSIBLE DISCUSSION POINTS

- Seeding faults is a model transformation. What are the benefits and drawbacks of applying model transformation to implement mutation testing?
- Verifying model transformations is challenging. To what extent can mutation testing be applied to alleviate these challenges?
- How might domain-specific modelling, model transformation and mutation testing be effectively combined to construct made-to-measure testing tools?