## Statement of Authorship for joint/multi-authored papers for PGR thesis

To appear at the end of each thesis chapter submitted as an article/paper

The statement shall describe the candidate's and co-authors' independent research contributions in the thesis publications. For each publication there should exist a complete statement that is to be filled out and signed by the candidate and supervisor (only required where there isn't already a statement of contribution within the paper itself).

Title of Paper	Causal Falsification of Digital Twins		
Publication Status	□ Published □ Accepted for Publication <b>x</b> Submitted for Publication □ Unpublished and unsubmitted work written in a manuscript style		
Publication Details	Rob Cornish*, <b>Muhammad Faaiz Taufiq</b> *, Arnaud Doucet, and Chris Holmes. Causal Falsification of Digital Twins, 2023.		

## Student Confirmation

Student Name:	Muhammad Faaiz Taufiq			
Contribution to the Paper	The idea of using causal bounds for assessing simulator models was originally conceived by Rob Cornish. Chris Holmes proposed to focus on the application to digital twins specifically. I and Rob Cornish jointly derived the theoretical results presented in the paper and developed the methodology for falsification. I implemented and ran all of the experiments presented in the paper. During frequent meetings, all collaborators helped out with helpful suggestions on methodology and feedback.			
Signature		Date	15/07/2024	

## **Supervisor Confirmation**

By signing the Statement of Authorship, you are certifying that the candidate made a substantial contribution to the publication, and that the description described above is accurate.

Supervisor name and title: Dr Rob Cornish				
Supervisor comments I confirm the above is accurate				
Signature: Robert Corrich	Date	15/07/2024		

This completed form should be included in the thesis, at the end of the relevant chapter.