

Student Name Jeffrey Glusman Student ID *****Doctoral ☐ Degree in Mechanical Engineering

Thesis Title:

Development of Reduced Chemical Models for Simulations of Biomass Pyrolysis and Combustion

Have you performed research involving human subjects which requires approval from the Institutional Review Board (IRB)? ☐ Yes ☒ No

IRB Protocol Number _____

Have you used live animals, animal tissue, or observational animal work which requires approval from the Institutional Animal Care and Use Committee (IACUC)? ☐ Yes ☒ No

IACUC Protocol Number _____

Attach the final copy of thesis/dissertation for committee review. While formatting changes may be requested by the Graduate School, the content of the attached document should be final.

**Approvals:**Committee Chair Name Peter E. HamlingtonSignature  Date Signed 4/8/2022
DocuSigned by: Peter E. Hamlington
C16CD0895BF14FF...Committee Member Name John W. DailySignature  Date Signed 4/8/2022
DocuSigned by: John W. Daily
C1D132CC052B44C...

The final copy of this thesis has been examined by the signatories, and we find that both the content and the form meet acceptable presentation standards of scholarly work in the above-mentioned discipline.