

Carnegie Mellon University

CARNEGIE INSTITUTE OF TECHNOLOGY

THESIS

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS

FOR THE DEGREE OF Doctor of Philosophy

TITLE **Vibrational Mode Properties of Disordered Solids from
High-Performance Atomistic Simulations and Calculations**

PRESENTED BY **Jason Michael Larkin**

ACCEPTED BY THE DEPARTMENT OF

Mechanical Engineering

ADVISOR, MAJOR PROFESSOR

DATE

DEPARTMENT HEAD

DATE

APPROVED BY THE COLLEGE COUNCIL

DEAN

DATE