

FLORIDA STATE UNIVERSITY
FAMU-FSU COLLEGE OF ENGINEERING

ENERGY ABSORPTION OF GROOVED CIRCULAR TUBES
AND 3-D PRINTED STRUCTURES

By

GRZEGORZ DOLZYK

A Dissertation submitted to the
Department of Civil and Environmental Engineering
in partial fulfillment of the
requirements for the degree of
Doctor of Philosophy

2020

Grzegorz Dolzyk defended this dissertation on July 8, 2020.

The members of the supervisory committee were:

Sungmoon Jung
Professor Directing Dissertation

Zhiyong Liang
University Representative

Lisa Spainhour
Committee Member

Primus V. Mtenga
Committee Member

The Graduate School has verified and approved the above-named committee members and certifies that the dissertation has been approved in accordance with university requirements.