



Student ID Number: D00522024

National Taiwan University

on the recommendation of the faculty of
the Department of Mechanical Engineering

College of Engineering

has conferred upon

CHEN, YU-FAN

(陳昱帆)

the degree of Doctor of Philosophy

together with all the honors, rights and privileges belonging to that degree. In witness whereof,
this diploma is issued with the University seal in the month of June, two thousand and eighteen.

Tai-Wei Kuo

Acting President

Hung-Chi Kuo

Dean of Academic Affairs

Wen-chang Chen

Dean, College of Engineering

Mei-Jian Huang

Chair of the Department