

# Active Tip Deflection Control of Wind Turbines

## Department of Wind Energy Master Report

Jaime Liew

DTU Wind Energy-M-0207

July 2018

**DTU Wind Energy**  
Department of Wind Energy

---



**Authors:** Jaime Liew

**Title:** Active Tip Deflection Control of Wind Turbines

**DTU Wind Energy-M-02077**

**July 2018**

**Project Period:**

**November 2017 – July 2018**

**ECTS: 45**

**Education: Master of Science**

**Supervisors:**

Taeseong Kim, **DTU Wind Energy**

Mahmood Mirzaei, **DTU Wind Energy**

Jessica Holierhoek

**TU Delft**

Christian Frank Anderson

**LM Wind Power**

**Remarks:**

This report is submitted as partial fulfillment of the requirements for graduation in the above education at the Technical University of Denmark.

DTU Wind Energy is a department of the Technical University of Denmark with a unique integration of research, education, innovation and public/private sector consulting in the field of wind energy. Our activities develop new opportunities and technology for the global and Danish exploitation of wind energy. Research focuses on key technical-scientific fields, which are central for the development, innovation and use of wind energy and provides the basis for advanced education at the education.

We have more than 240 staff members of which approximately 60 are PhD students. Research is conducted within nine research programmes organized into three main topics: Wind energy systems, Wind turbine technology and Basics for wind energy.

**Technical University of Denmark**

Department of Wind Energy

Frederiksborgvej 399

2800 Kgs. Lyngby

Denmark

[www.vindenergi.dtu.dk](http://www.vindenergi.dtu.dk)