



Diploma

DTU Blue Dot Project

This diploma is awarded to students
who have contributed greatly to, and displayed extraordinary skills in
DTU EVenture (2019)

DTU Blue Dot Projects are extensive cross-disciplinary, student-driven projects in which the students invent,
build and implement new solutions to real-life engineering problems.

DIPLOMA AWARDED ON THE 16th JANUARY 2020 TO

Daniel Davidsen

(born 24 February 1996)



A handwritten signature in blue ink, appearing to read "A. Bjarklev".

Anders O. Bjarklev
President

A handwritten signature in blue ink, appearing to read "M. Thellersen".

Marianne Thellersen
Senior Vice President



Diploma



DTU Blue Dot Project

DTU Eventure

DTU Eventure student team has been awarded "Most Professional Team" at 2019 Formula Student event at Silverstone UK, and Daniel Davidsen has been an integral part of the team. His model drive and responsibility have been crucial for the operation of DTU Eventure project and mentioned achievement. Daniel Davidsen has surpassed expectation from project supervisor in both aptitude and workload. He has demonstrated extraordinary skills in development and coordination of integration of technical solutions with other team members. Daniel Davidsen's efforts in the team reflects his ability to think analytically and to convert ideas from creative brainstorming sessions into practical solutions (usually constrained by production methods, cost and/or material availability). Daniel Davidsen has been an effective team member and has demonstrated readiness to take the responsibility and initiate ideation on several occasions.

Eventure project involves a wide variety of multidisciplinary technologies, like energy storage and electric drivetrain technology, embedded electronics design and software development and implementation of advanced measuring techniques, vehicle dynamics and aerodynamics, all of which present a significant challenge even for a seasoned engineer. Daniel Davidsen has contributed to the design and construction of electric powered racecar, putting in use multidisciplinary theoretical and practical knowledge acquired at DTU. In addition, he also demonstrated remarkable teamworking skills, accountability and project management skills.

About DTU Eventure

The aim of Eventure project is to develop and nurture student activities at DTU related to the ongoing green transformation of transportation system into a sustainable, cost-effective and reliable one. Passenger and cargo transportation systems constitute a major challenge in the green transformation but also offers great new opportunities in a future renewable energy system. Electric vehicles (EV) technology and interaction with the complex energy system are critical to transform the transport sector and enable a flexible energy system where the vehicle batteries act as an attractive resource in the complete energy system. It is projected that penetration of EVs will be up to 50%. As more and more of the public interacts with EVs, charging infrastructure and future energy systems in general on a day to day basis, this also merits increase in literacy and in-depth knowledge of such systems.

The focus of Eventure project is The Formula Student Electric (FSE) competition in England. In this competition, which gathers 100+ Technical Universities from the whole world, student teams compete with an electric racecar they have designed, constructed and tested which must comply with extensive design rulesets issued by FSE organization. The target car design has capability to accelerate from 0-100km/h in less than 5 sec and has a top speed of approximately 150km/h. Students are constantly challenged to design, optimize and produce critical components of the racecar like battery storage, vehicle controls, drivetrain, suspension, aerodynamics etc. Two courses, 31789 and 31790, dedicated to Eventure project, are established as a framework where students can get ECTS points for working on the technical project related to eMobility. In addition, the array of special courses, BSc and MSc projects supporting the student's effort in the Eventure are continuously in offer/ in progress.