

# Dr Anela Bajric-Hodzic

Post-doctoral researcher



DEPARTMENT OF  
**ENGINEERING  
SCIENCE**

## Did anything or anyone in particular inspired you to become an engineer?

I spent a considerable part of my childhood making detailed drawings on A0 paper of city infrastructures. My cities were drawn from a bird's-eye view and included detailed residential houses, inspired by Scandinavian architecture with carefully drawn furniture designed by Arne Jacobsen and electronics by Bang & Olufsen

## What is the best thing about your job?

My position allows me to be creative, spend time to objectively gather in-depth knowledge, and gives an opportunity to contribute to my research topic.

## What is your research area?

My research area focuses on optimizing the design of slender large-scale structures prone to vibrations, such as wind turbines.

## What is an average day on the job like?

A majority of my time is spent solving analytic challenges encountered in equations, which I then implement numerically and test in a computer programme or with measurements from real structures.

When I do not succeed in overcoming these challenges, I have scheduled meetings with international experts within or outside of Oxford, to discuss how these can be overcome.

***“My position allows me to be creative, spend time to objectively gather in-depth knowledge, and gives an opportunity to contribute to my research topic.”***

## What top tip would you give to girls/women considering a career in engineering?

Nurture your curiosity and be true to yourself.



## What key attributes help you in your role?

Persistence, creativity and high ambitions.

## Have you faced any gender-related challenges and how did you overcome them?

I have learned to immediately respond to and address inappropriate comments related to my gender. The challenges I have faced have mostly been related to gender-role stereotypes of researchers in science.

## What has been your proudest moment to date?

I was proud to receive the Christian Torp-Petersen's grant, which is awarded to excellent students that promote a good atmosphere in the classroom. By interacting open-mindedly with students my imagination was stimulated as well as my ability to learn new topics.

## Why should young women choose engineering as a career?

Through engineering you will learn to systematically and independently solve complex problems, which will give you confidence to progress in a wide range of positions throughout your career.

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