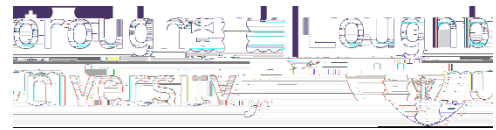


ces and achievements. We would like to share these experiences and inspirational words with you all, to show our women “Engineering Heroes” here at AACME. For more information, look at the [INWED](#) page.

Bella Alcock - *Second year MEng
Automotive Engineering student*

I am currently a student at Loughborough University in Automotive Engineering and am coming up to the end of my second year. Alongside my course I have also had the privilege of being 1 of 2 girls in the senior team of Loughborough University Motorsport. The thing I am most proud of in STEM is being givefea-D*n f(E)-(g)-21(t)-roBi





Izabela Lackowska - *PhD Chemical Engineering student*

My decision to take on a PhD was inspired during a 6-month research project which I was able to undertake during my degree. Which, I decided to do it in Toulouse, France, at the INSA (Institut de Sciences Appliquées).

There, I started working in the lab on microfluidics and the behaviour of bacteria and nanoparticles in microchannels through the phenomenon of spontaneous focusing. My supervisor at the time, Prof. Christine Lafforgue, taught me how to work in the lab and how to solve problems during my project.

Now, I am working on crystallization of pharmaceutical ingredients, using microfluidics, which slightly overlaps with my original research, and hope it will lead to a successful career allowing me to lead a life that I want. My main interests for a future career involve the pharmaceutical or cosmetic industry, where novel manufacturing techniques, such as microfluidics can be implemented.

Jessica Harrison - *Final year MEng Materials Engineering student*

During my final year project, I worked alongside a PhD student who used lasers to melt metallic powders. This is essentially the initial stage of additive manufacturing (or 3D printing). My work involved looking at the

samples she made under a microscope to see how the shape and size of the melted powder deposits changed with varying process parameters, like velocity and laser power.

As for something I'm proud of, I would have to say being a member of the LUWES' committee 2020/2021, especially during the pandemic. This offered the opportunity to collaborate with some great female engineers. I am particularly proud of organising a STEM Club virtual outreach series, aimed at inspiring younger generations of future engineers.

The field of engineering is so broad and includes many disciplines - if you are at all interested, do some research to see which type of engineering best suits your interests and skill set. Personally, I found my engineering discipline through attending events, work experience opportunities and shadowing engineers.

Fiona Hatton - *Lecturer in Polymer Chemistry, Materials Engineering*

I have been a lecturer in the Materials department here in AACME since joining Loughborough in 2018. My research

