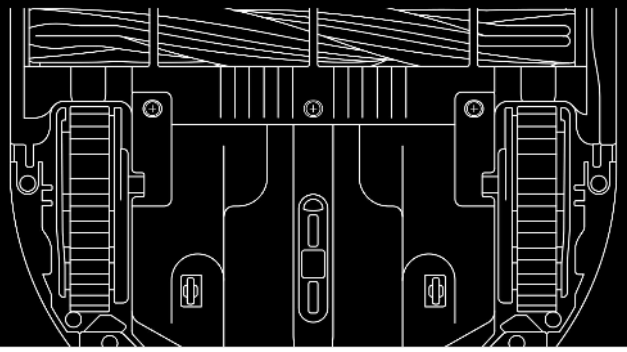




Acoustic Research Engineer



Summary

Salary: Competitive

Team: Science and Research

Location: United Kingdom - Malmesbury Office

About us

Dyson is a global technology enterprise. We solve the problems others choose to ignore, with surprising new inventions that defy convention and simply work better.

We're growing fast and our ambition is huge - more categories, more locations and more people.

We push the boundaries of what others have defined as possible. Our approach starts with an engineering mind set and different thinking. Then we continuously refine our ideas - unwilling to compromise and driven by an obsession for finding a better way

About the role

Within Dyson Research we define what's next. Our research team supports long term company growth through technology innovation in our state of the art Wiltshire campus.

You will be part of a creative environment surrounded by experts in the field of acoustics. As part of the AeroAcoustic Research Team you will explore and integrate new acoustic technologies. You will deliver the sound of new concepts to a global market, working alongside the New Product Innovation team on early stage product development

- The candidate will apply a deep understanding of acoustics and a pragmatic engineering approach to invent the next generation of technologies that will enhance the company's technical advantage in noise control and in other applications of acoustics.
- They will use analytical and numerical modelling alongside experimental testing in world class facilities to understand noise generation and product performance at a system level.
- They will communicate results in the form of technical reports and presentations, to be delivered across the business, including to senior management and James Dyson.
- Drive research projects from conception, through various technology readiness levels to ultimately have an impact on Dyson products coming off the production line.
- Collaborate with external partners and universities to accelerate our understanding in a variety of technical areas.
- Opportunity to support and mentor future engineers.

About you

- A degree (2:1 or higher) in acoustics, physics, mathematics, electronics or equivalent
- PhD, Masters or industrial experience.
- Experience in fundamental acoustics, duct acoustics or wave physics.
- Specialism in Digital Signal Processing, audio, condition monitoring or electro-acoustic would be highly desired.
- Programming and scientific computing experience, (e.g. MATLAB, Python).
- Experience of finite element analysis packages (e.g. COMSOL, ANSYS) and measurement systems (e.g. B&K Pulse, LabVIEW, Simcenter Testlab) desirable but not essential.
- Authentic engineer who acts with integrity and thrives in a transparent collaborative environment.
- Courage to break convention and sees opportunities where others see problems.
- Uses ingenious thinking to find more efficient and creative methods to solve unsolved problems.

Benefits

- 27 days holiday plus eight statutory bank holidays
- Pension scheme
- Performance related bonus
- Life assurance
- Sport centre
- Free on-site parking
- Subsidised café and restaurants
- Discounts on Dyson machine

Did you know?

Dyson has created its own symphony, combining an 80-piece orchestra with experimental instruments made by engineers from actual Dyson machines as part of Challenge Dyson.



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