



## Design & Production newsletter

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### Chairman's introduction

23 March 2016



Dear Colleague,

**Welcome to the latest issue of the Design & Production newsletter.**

In this issue we've curated a selection of some of the key initiatives within the Design & Production sector, as well as industry developments that have caught our eye; from LG's new [home-patrolling rolling robot](#), to the [creation of the world's 'darkest' material](#). We've also caught up with legendary motorsport engineer and [Chief Technical Officer at Red Bull Racing, Adrian Newey](#), about how horizontal innovation is being used to advance Formula 1.

With all this exciting content, don't forget to check out the Design & Production Sector's core initiatives for all the latest articles as they become available; [Manufacturing](#), [Robotics & Autonomous Systems](#), [Design](#) and [Innovation to Commercialisation](#).

Best wishes  
**Jeremy Hadall,**

Sector Chair, IET Design & Production

# HORIZONTAL INNOVATION



**Horizontal innovation: what does it mean for engineering in 2016?**

There's lots of buzz about the term 'horizontal innovation', and you'll be hearing much more about it in the future, so don't get left behind - find out what it is, how it can benefit you and how to get involved... [Read more](#).

## Sector news



### [Interview with Formula 1 engineer Adrian Newey](#)

Newey talks technology, the increase in data in engineering and F1, future hot topics, beneficial partnerships and how Horizontal Innovation is integral to the Motorsport Industry..

[Read More](#)



### [LG reveal ball-like 'home-patrolling' robot](#)

LG has unveiled a rolling home-monitoring robot at the Mobile World Congress 2016 that can be remotely controlled via an Android app and used to entertain lonely pets.

[Read More](#)



### [The world's darkest material just got even darker...](#)

The company behind the world's darkest material (Vantablack) have created a new, even darker iteration.

[Read More](#)



### [Process automation and the home-brew revolution...](#)

Want to brew like a pro? Good beer could become as easy to make at home as good coffee, thanks to microcontrollers, smartphones and some engineering ingenuity.

[Read More](#)



### [The UK is a pioneer in the world of Artificial Intelligence...](#)

But with such a stronghold in the field of AI, British innovation should be more widely recognised as pioneer in the engineering and technology community!

[Read More](#)



### [Robotics Pioneer Tony Dyson, creator of Star Wars' R2-D2, dies at the age of 68](#)

Professor Tony Dyson, the man responsible for bringing to life one of the world's most iconic robots, has passed away at 68.

[Read More](#)



### [North East Maintenance model adopted across the UK](#)

Dr David Baglee describes how the North East Maintenance Forum has grown from a handful of companies to over 140 members in less than two years, and why it's about to be adopted across the UK to create a regional network of forums.

[Read More](#)



Manufacturing



Design



Robotics & Autonomous Systems



Innovation to Commercialisation

## Events

05 April 2016

## E&T news



### [BAE Systems engineers performance of British cycling team](#)

A high-tech stationary bicycle developed by defence engineers from BAE Systems will help boost the performance of British cyclists.

[Read More](#)



### [Under the sea: octopus-inspired technologies](#)

From super-intelligent problem-solving to camouflage smart materials and speedy jet propulsion to robotic tentacle-like arms, the humble octopus is inspiring human innovation in unexpected ways.

[Read More](#)

### [New challenges in Tribology](#)

Birmingham, UK

20 April 2016

[Prof Iain Todd - 3D Printing](#)  
Exeter, UK

26 May 2016

[ROBOTT-NET MTC Open lab event](#)

Coventry, UK

16 June 2016

[Exploring Senses and Emotions in Interaction Design](#)

Cheltenham, UK

## E&T jobs

[View all jobs](#) ▶

### [Mechanical & Electrical Engineer – Design Innovation](#)

Design, Electrical, Electro-Mechanical, Manufacturing & Production, Mechanical.

[View full details](#)

### [Mechanical Engineer](#)

Civil & Structural, Electrical, Manufacturing & Production, Mechanical.

[View full details](#)

### [Head of Research & Development](#)

Early Control & Instrumentation, Manufacturing & Production, Project Engineering.

[View full details](#)

## Your feedback

We hope you enjoyed reading our newsletter.

If you have any suggestions to help improve future editions, we're keen to hear from you.

Or if you'd like to get involved in Sector projects, please get in touch!

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