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## HIGHLIGHTS

### European Robotics Forum

The Edinburgh Centre for Robotics is delighted to be hosting the European Robotics Forum from Wednesday 22 March 2017 to Friday 24 March 2017. This 3-day event is expected to attract over 800 delegates. This audience will comprise researchers, engineers, managers, entrepreneurs, and public and private sector investors in robotics R&D.



*The objectives of the forum are to:*

- Identify the potential of robotics applications for business, the creation of jobs, and meeting societal needs;
- Discuss the state of the art and most recent breakthroughs in applications;
- Learn about new robotic business opportunities, including those arising through establishment of spin-offs, and ongoing initiatives in robotics within Europe;
- Influence decision makers and strengthen collaboration between stakeholders in the robotics community. **Read more**

### Guardian Live: A Robot's World? Panel Discussion

The Science Museum, in partnership with **Guardian Live**, this panel talk brings together leading thinkers in robotics, economics and politics to look at the influence of robots, artificial intelligence and increasing levels of automation on jobs, industry and the economy.

The discussion will look at those job sectors that will be the most heavily affected, and will explore how globalisation is evolving under the influence of robotics. The panel will also attempt to look ahead at the prospect of a post-work world and whether new forms of capitalism may be required in order for humans to

thrive in a robot's world. [Read more](#)



## Autonomous Systems Film Premiere & Flying Exhibition

Southampton University have taken advantage of an offer to use the decommissioned Fawley power station and made a film to demonstrate the application of robotics to civil applications such as search and rescue, disaster recovery, dealing with an extreme pollution/ contamination events and the scientific use of robots for climate research.

The film uses a hypothetical disaster simulated at Fawley and we teamed up with a local school who provided actors. The deployment of underwater vessels, maritime robots, rotary wing drones, fixed wing UAVs as well as ground robots, morphing robots, crawling robots, "snake" robots will be demonstrated. [Read more](#)



## RACE joins UK-RAS Network

**UK Atomic Energy Authority's new centre for Remote Applications in Challenging Environments joins UK-RAS Network to support growth of UK robotics industry**

The EPSRC UK Robotics and Autonomous Systems (UK-RAS) Network today announces that RACE, the UK Atomic Energy Authority's new centre for Remote Applications in Challenging Environments, has become a Strategic Partner of the Network.

RACE joins the UK's most prestigious scientific and technology organisations - including The Royal Academy of Engineering, the Institution of Engineering and Technology, the Institution of Mechanical Engineers and the Science Museum - in supporting the UK-RAS Network's mission to the advance the UK's leadership in robotics and autonomous systems. [Read more](#)



## UK Robotics Week 2017: Submit your Events

The UK Robotics Week includes a directory of events covering a two-month time-frame at either side of the week. This directory covers a huge spectrum of UK wide activities in robotics, and it is used to promote as well as increase engagement and awareness in robotics.

The deadline is fast approaching for partners and interested organisations to submit your events for inclusion in the Robotics Week 2017 programme.

To ensure your events are included, please complete this [online form](#), no later than Friday 31st March 2017. [Read more](#)



## NEWS

### International Workshop on Robotics 2017 - IWR

The "International Workshop on Robotics" is a scientific event and a platform for exchange between researchers, end-users and technology developers around commercial and/or research application in robotics.

The theme of the workshop is: "Robotics and automation: uncovering recent developments and applications on energy, industry, environment, agriculture, health and social settings".

It will be a great chance to meet our invited speakers and network with fellow roboticists plus a world-class audience from Universities, Research Institutions and Companies. [Read more](#)



EDINBURGH CENTRE FOR  
**ROBOTICS**

## UK Budget 2017: £270m Pledge for Robotics

The UK Government outlined plans in the latest budget allocation of a pledge for £270m fund for of research in robotics, next-generation batteries and biotech.

The announcement, made on Wednesday 8th March 2017, was criticised by some members of the industry as woeful despite being a key pillar of the Government's industrial strategy.

The Treasury announced the first phase of its "Industrial Strategy Challenge Fund" .. [Read more](#)



## NEXUSS - Next Generation Unmanned Systems Science

The Centre is tackling major challenges in the environmental sciences through the development and application of novel Smart and Autonomous Observing Systems (SAOS) technologies. NEXUSS will develop a generation of future environmental science leaders through an innovative doctoral training programme founded around highly engaging SAOS Grand Challenge events.

The Next Generation Unmanned Systems Science (NEXUSS) Centre for Doctoral Training is supported by the Natural & Environmental Research Council and the Engineering & Physical Science Research Council and led by the University of Southampton, in partnership with five other leading academic and research organisations. [Read more](#)



## Oxford Robotics Institute at Shell Eco-marathon

Shell Eco-marathon is a unique competition that challenges students around the world to design, build and drive the most energy-efficient car. With three annual events in Asia, Americas and Europe, student teams take to the track to see who goes further on the least amount of fuel.

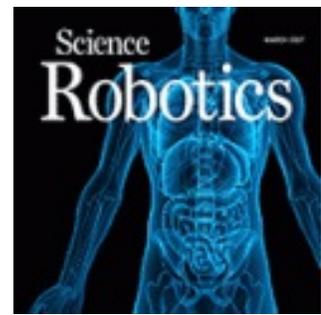
After a year of preparation, bright young engineers have just a few days to battle it out in urban circuits, driving self-built cars for supreme energy efficiency.

In 2017, the London Shell Eco-marathon events takes place in May 25 - 28th, location to be confirmed. [Read more](#)



## Science Robotics Journal, Vol 4

A Focus on the Person. This month's issue of Science Robotics highlights potential benefits of medical robots for a range of tasks from drug delivery to early childhood education.



#### CONTENTS

Growing tissue grafts on humanoid robots: A future strategy in regenerative medicine? Humanoid robots may enhance growth of musculoskeletal tissue grafts for tissue transplant applications.

Micrometer-sized molecular robot changes its shape in response to signal molecules. An amoeba-like molecular robot changes its shape in response to sequence-designed DNA signal molecules. ***Read more***



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