



# Do you want to build a ~~snowman~~ robot?

**Friday 8th December 2017**

Doors Open at 5pm for a 5:30pm start.

Ends 6:30pm followed by reception

**Location:** The Great Hall,  
Queen Mary University of London  
Mile End Road, E1 4NS

**The lecture will be followed by drinks and mince pies.**

Attendance is free, but please register  
in advance – see website for details.

**[eecs.qmul.ac.uk/robots](http://eecs.qmul.ac.uk/robots)**

# Do you want to build a ~~snowman~~ robot?



## Films and novels are full of robot stories:

robots exploring new planets robots helping us at home, robots that are hug-gable and take care of us!

But how far away is science fiction from the science reality?

Currently, the most common robots used in industry, such as those that build cars, are programmed by people to perform simple and repetitive tasks autonomously. However, the robots of the future will be different. They will collaborate with people in the same way people collaborate with each other. Find out more about the reality of what is happening in robotics laboratories around the world.



## Professor Kaspar Althoefer

Professor Kaspar Althoefer is a roboticist with a keen interest in soft and stiffness-controllable robots. He likes to apply his octopus-inspired creations to areas such as keyhole surgery and human-robot interaction for the factory of the future.

On occasions, he has collaborated with artists, designers and architects on soft robot installations.



## Dr Ildar Farkhatdinov

Dr Ildar Farkhatdinov is a Lecturer in Robotics at the School of Electrical Engineering and Computer Science at Queen Mary University of London (QMUL). He is interested to study how human senses and movements and how this can be used to improve interaction between

humans and robots. This research is important to develop robots for medical, service and field applications.

He currently studies sense of balance in humans and how bio-inspired balance control methods can be applied to robots for walking assistance.



## Dr Lorenzo Jamone

Lorenzo Jamone is a Lecturer in Robotics at the School of Electronic Engineering and Computer Science (EECS) at QMUL. He was born and he studied in Italy, completing a PhD in humanoid technologies before moving first to Japan

and then to Portugal to acquire additional international experience as a researcher in robotics. Lorenzo joined QMUL in 2016, where he is one of the founding members of ARQ (Advanced Robotics at Queen Mary), he also collaborates with the Cognitive Science group and with the Centre for Intelligent Sensing.

Lorenzo's research combines robotics, sensing and cognitive science, with a twofold objective: creating more intelligent robots that can co-exist and co-operate with people, and obtaining a better understanding of how the human body and brain works (for more info: <http://lorejam.blogspot.com>). Lorenzo is also passionate about science fiction stories and films, especially when robots are involved.

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