



National Science Week Public Lecture: Rise of the Machines - Intelligent Robotics

Robots have been steadily moving into industry, research, emergency response and healthcare over the last few decades. In our daily lives, robotic toys, pets and vacuum cleaners, join robotic systems embedded in modern cars and smart buildings.

As the field of Computer Science has progressed over the last few decades, so these robots have become more and more intelligent. These advances in intelligence have brought with them considerable advantages as well as new challenges.

As a part of National Science Week 2015, the Intelligent Robots Group at Curtin University would like to invite you to attend a free public lecture on Intelligent Robotics.

In this lecture, Dr Raymond Sheh from the Intelligent Robots Group will

lead us on a journey of Computer Science in Intelligent Robotics, through a series of vignettes that cover the recent past, current state and future challenges of this fascinating area.

The lecture will also cover the current work of the Intelligent Robots Group, including some initiatives that bring the research challenges of Intelligent Robots to high schools and the community.

[REGISTER NOW](#)

Event details

- Event:** National Science Week Public Lecture: Rise of the Machines - Intelligent Robotics
- Date:** Thursday 20 August 2015
- Time:** 5.15pm for 5.30pm start – 7.30pm
(refreshments served from 6.30pm – 7.00pm)
- Location:** [Curtin](#) University Resource and Chemistry Precinct

Building 500

Curtin University
Kent Street, Bentley
- Parking:** Parking is available in car park C1, C2 and C3. Please enter via the Manning Road entrance.
- RSVP:** Please RSVP your attendance and any dietary requirements to events@curtin.edu.au by Tuesday 18 August 2015.

About the speaker

Dr Raymond Sheh is a Senior Lecturer at the Department of Computing at Curtin University. He specialises in the areas of Artificial Intelligence, Robotics and Cyber Security. He has been involved in robotics research since 2003.

Dr Sheh established the Intelligent Robots Group at the Department of

Computing, with the aim of developing ways of allowing robots and other intelligent systems to learn about their environments and tasks in a way that not only allows them to perform those tasks better, but to also explain their actions and justify their decisions. This ability has significant implications for issues of safety and trust between humans and intelligent systems.

Dr Sheh's current activities include robotics for hazardous environments, surgical robotics and the application of robotic sensing technologies to industrial automation. The former includes a significant education and research outreach component to other universities and high schools through Dr Sheh's position on the Executive Committee of the International RoboCup Rescue Robot League competition.

Prior to joining Curtin in 2013, Dr Sheh was with the US National Institute of Standards and Technology, developing standardised test methods for response robots, used in hazardous environments. He holds a PhD from The University of New South Wales and degrees in Electronic and Communications Engineering and Computer Science from Curtin University.

Further information

If you have any special requirements to enable you to participate at this event please email events@curtin.edu.au. We will contact you to provide assistance.

For information about disability services at Curtin, please visit disability.curtin.edu.au.

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