

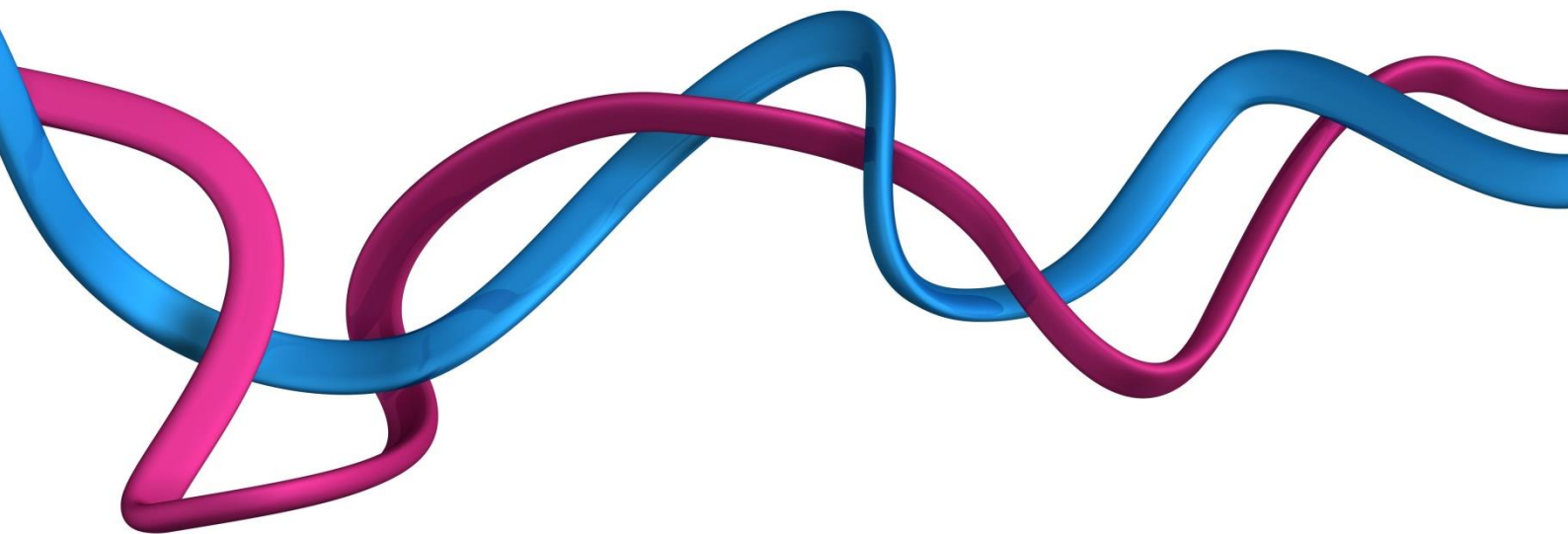


ROYAL
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Innovation in haptics

**Tuesday 4 July 2017
1:30pm – 6:30pm**

**Royal Academy of Engineering
Prince Philip House
3 Carlton House Terrace
London SW1Y 5DG**



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Innovation in haptics

This latest in the Academy's *Innovation in...* series of events will showcase a selection of the most recent advances in haptic technologies that are bringing virtual reality to life and revolutionising the way we interact with technology.

Programme

- 1.30pm **Registration**
- 2.00pm **Welcome by the Chair**
David Braben OBE FEng, Founder and CEO, Frontier Developments
- 2.05pm **Keynote address**
Tom Carter, CTO and Co-Founder, Ultrahaptics

Session 1: Innovating healthcare

- 2.30pm **Haptics in healthcare: current and future applications**
Dr Alastair Barrow, Co-Founder and Director, Generic Robotics
- 2.40pm **Surgery with a sense of touch: haptic VR surgical training applications**
Chris Scattergood, Co-Founder, Fundamental VR
- 2.50pm **VR and physical rehab**
Dr Isabel Van De Keere, Founder and CEO, Immersive Rehab
- 3.00pm Session panel Q&A
- 3.10pm Demonstrations and refreshment break





Session 2: Visualising the future

3.40pm **Future cities: a step change in modelling and visualisation**

Vladimir Vorotovic, Lead Modelling Specialist, TfL

3.50pm **Challenges ahead: driverless cars**

Dr Daniel Paluszczyszyn, De Montfort University

4.00pm **VR and haptics for robotics in challenging environments**

Ronan Kelly, Software engineer, RACE

4.10pm Session panel Q&A

Session 3: Bringing you to your senses

4.20pm **The future of haptics in the music industry**

Professor Atau Tanaka, Goldsmiths, University of London

4.30pm **Feeling the future**

Dimitree Marozau, Co-Founder & CEO, Tesla Studios

4.40pm **In touch with your surroundings**

Christopher Dean, Founder, Touch & Discover Systems

4.50pm Session panel Q&A

5.00pm **Panel discussion: one touch beyond – the future of haptics**

Panellists:

- Rowland Manthorpe, Editor, WIRED
- Amelia Kallman, Innovation Consultant
- Yeshwanth Pulijala, Co-Founder, Open Simulation



- Luciana Carvalho Se, Founding member, Realities Centre
- Andre McQueen, Innovation & Design Strategist, The F-T-R

5.25pm Closing remarks by the Chair

5.30pm Drinks reception and demonstrations

6.30pm Close