

## **Japan-UK Robotics and Artificial Intelligence Seminar 2016**

As we see rapid technological innovation taking place in the research fields of Big Data analysis techniques and artificial intelligence, we are now entering a new era for robots, as they develop from performing simple tasks to utilising vast amounts of data. Meanwhile, global competition to develop such robots is intensifying, and new innovations in this field are expected to not only bring about a transformation across the wide industrial structure, but also to have a significant socioeconomic impact in the future.

The Government of Japan published its “New Robot Strategy” in January 2015, followed by the establishment of The Artificial Intelligence Research Centre in May, and will establish a new project called “Advanced Integrated Intelligence Platform Project” in 2016. Meanwhile, the UK Government has identified “Robotics and Autonomous Systems” as one of its Eight Great Technologies, publishing the strategy for stimulating growth in July 2014, and established the Alan Turing Institute as the UK’s national institute for data science.

With this in mind, and following on from our successful Robotics seminar held at the Embassy of Japan in the UK in April last year, this event will feature several keynote speeches focusing on the fields of artificial intelligence and computer vision, and we hope will be an opportunity to introduce the recent trends in our two countries’ policies and R&D, and to discuss future innovation and Japan-UK collaboration in this field.

We would be delighted if you could attend this seminar. A networking reception is also arranged for a more relaxed opportunity to network and meet fellow participants.

**on Thursday, 18 February 2016**

**Seminar: 3.30 pm**

**followed by a networking reception from 6.30 pm**

**at the Embassy of Japan, 101/104 Piccadilly, London W1J 7JT**

Please register at <https://www.jetro.go.jp/form5/pub/ldn/160218robotics>

Please note that registration prior to the event is essential.

You will be asked to present a print-out of your confirmation email together with photographic identification upon entry to the Embassy of Japan for security purposes, and to have your belongings scanned by our security staff.

## Programme

15:00 Doors Open

- 15:30 Opening Remarks** - *H.E. Keiichi Hayashi, Ambassador of Japan*  
- *Representative from the UK Government*

### **Session 1 Overview of policy setting and funding arrangements in Japan and the UK**

15:40 Brief introduction to recent policy trends in Japan

- *Representative from Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT)*

15:50 Brief introduction to recent trends in the UK

- *Dr Kedar Pandya, Head of the Engineering Theme for the Engineering and Physical Sciences Research Council*  
- *Professor Guang-Zhong Yang, Imperial College London, UK-RAS Network*

Q&A

### **Session 2 Cutting-edge research projects in Japan and the UK**

16:20 Keynote presentations on research trends in Japan and the UK

#### Japan

- *Professor Yoshihiko Nakamura, Department of Mechano Informatics, University of Tokyo*  
- *Professor Hiroshi Ishiguro, Intelligent Robotics Laboratory, University of Osaka*  
- *Professor Tetsuya Ogata, Laboratory for Intelligent Dynamics and Representation, Waseda University*  
- *Professor Tadahiro Taniguchi, Department of Human & Computer Intelligence College, Ritsumeikan University*  
- *Dr Komei Sugiura, Senior Researcher, National Institute of Information and Communications Technology*

#### UK

- *Professor Roberto Cipolla, Department of Engineering, University of Cambridge*  
- *Professor Sethu Vijayakumar FRSE; Director, Edinburgh Centre for Robotics, University of Edinburgh*  
- *Professor Kerstin Dautenhahn, School of Computer Science, University of Hertfordshire*

Facilitator; Dr Fumiya Iida, University Lecturer in Mechatronics, University of Cambridge

### **Session 3 Socio-economic impact**

17:30 New business innovations

- *Mr Llewelyn Morgan, Localities policies and innovation, Oxfordshire County Council*  
- *Mr Shohei Hido, Chief Research Officer, Preferred Networks*

17:50 Future social impact

- *Dr. Anders Sandberg, James Martin Research Fellow, Future of Humanity Institute, Oxford Martin School, University of Oxford*

**18:00 Q&A**

**18:25 Closing Remarks**

- *Prof. Robin Grimes, Chief Scientific Adviser to the Foreign and Commonwealth Office (FCO)*

**18:30 Networking Reception**

\*Please note that the programme may change without prior notice.