The Risks and Benefits of Artificial Intelligence and Robotics

A workshop for media and security professionals

Date: 6 - 7 February 2017; 09:00 - 17:00

Location: University of Cambridge Judge Business School
Trumpington Street, Cambridge, UK CB2 1AG

Meeting Convenors:

- **Mr. Irakli Beridze**, Senior Strategy and Policy Advisor, United Nations Interregional Crime and Justice Research Institute
- **Dr Michelle Tuveson**, Founder & Executive Director, Cambridge Centre for Risk Studies at the University of Cambridge Judge Business School

Risks and Benefits of Artificial Intelligence and Robotics
Provisional Workshop Agenda

Monday 6 February 2017

08:50 – 09:00   Welcome and Introductions, UNICRI and the Cambridge Centre for Risk Studies

09.00 – 09.30   Keynote Address: *Konstantinos Karachalios, Ph.D, Managing Director of The Institute of Electrical and Electronics Engineers (IEEE) Standards Association and Member of the Management Council of IEEE*

09:30 – 10:15 Artificial Intelligence and Robotics 101: What Is It and Where Are We Now?, *Prof. Noel Sharkey, University of Sheffield, UK, Co-Founder of the Foundation for Responsible Robotics (FRR) and Chairman of the International Committee for Robot Arms Control (ICRAC)*

10:15 – 10:45 Discussion moderated by Prof. Sharkey

10:45 – 11:15 Coffee & Tea

Session Two:

11:15 – 12:00 Ethics and Artificial Intelligence, *Kay Firth-Butterfield, Barrister-at-Law, Distinguished Scholar, Robert S. Strauss Center for International Security and Law, University of Texas, Austin, Co-Founder, Consortium for Law and Ethics of Artificial Intelligence and Robotics*

12:00 – 12:45 Discussion moderated by Ms. Firth-Butterfield

12:45 – 13:30: Lunch in the common room.

13:30 – 14:15: Live demonstration from Darktrace - A shift to self-learning and self-defending digital businesses, *Mr. Dave Palmer, Director of Technology, Darktrace* (Location: Large Lecture Theatre).

Session Three:

14:15 – 15:00   The Cyber-Security Overlap:

    The Triangle of Pain: The Role of Policy, Public and Private sectors in mitigating the Cyber Threat, *Professor Daniel Ralph, Academic Director, Cambridge Centre for Risk Studies & Professor of Operations Research, University of Cambridge Judge Business School*

    Modeling the Cost of Cyber Catastrophes to the Global Economy - *Simon Ruffle, Director of Technology Research & Innovation, Cambridge Centre for Risk Studies*

    Towards Cyber Insurance: Approaches to Data and Modeling - *Jennifer Copic, Research Assistant, Cambridge Centre for Risk Studies*

15:00 – 15:45   Discussion moderated by Dr. Michelle Tuveson, Executive Director, Cambridge Centre for Risk Studies

15:45 – 16:15 Coffee & Tea

Session Four:

16:15 – 17:00 From Fear to Accountability - the State of Artificial Intelligence Journalism, *Mr. John C. Havens, Executive Director of The IEEE Global Initiative for Ethical Considerations in Artificial Intelligence and Autonomous Systems and contributing writer for Mashable and The Guardian.*

17:00 – 17:45 Discussion moderated by Mr. Havens

Tuesday 7 February 2017

09:00 – 09:15 Recap of First Day Takeaways, *Mr. Irakli Beridze, UNICRI*

Session Five:

09:15 – 10:00 Emerging Technologies: Quantum Computing, *Dr. Natalie Mullin, 1Qbit quantum computing software company*

10:00 – 10:30   Discussion moderated by Dr. Natalie Mullin

10:30 – 11:00   Coffee & Tea

Session Six:

11:00 – 11:45   Economic and Social Implications of Robotics and Artificial Intelligence, *Mr. Olly Buston, Founding Director, Future Advocacy*

11:45 – 12:30   Discussion moderated by Mr. Olly Buston

12:30 – 14:00   Lunch

Session Seven:

14:00 – 14:45   Long term Issues of Artificial Intelligence and the Future of Humanity, *Kyle Scott, Future of Humanity Institute, University of Oxford*

14:45 – 15:30   Discussion moderated by the Kyle Scott, Future of Humanity Institute, University of Oxford

15:30 – 16:00   Coffee & Tea

Session Eight:

16:00 – 16:45   Robotics and Artificial Intelligence at the United Nations, *Mr. Irakli Beridze, UNICRI*

16:45 – 17:15   Discussion moderated by Mr. Beridze

Panel Discussion:

17:15 – 18:15   Open panel discussion moderated by Mr. Irakli Beridze, UNICRI, and Dr Michelle Tuveson, the Cambridge Centre for Risk Studies.

Panellists include:

- Dr Stephen Cave, Executive Director, Leverhulme Centre for the Future of Intelligence, University of Cambridge
- Prof. Noel Sharkey, University of Sheffield,
- Mr Olly Buston, Founding Director, Future Advocacy
- Dr Natalie Mullin, 1Qbit quantum computing software company
- Mr Kyle Scott, Future of Humanity Institute, University of Oxford
- Kay Firth-Butterfield, Barrister-at-Law, Distinguished Scholar, Robert S. Strauss Center for International Security and Law, University of Texas, Austin, and Co-Founder, Consortium for Law and Ethics of Artificial Intelligence and Robotics