Autonomous Systems as the Modern Prometheus

From drones to driverless cars, from personal assistants to automated

surgery, human beings are increasingly relying on autonomous systems for a

variety of needs. Indeed both industry and research funding bodies are investing heavily in this direction. Autonomous systems raise a number of policy issues, namely safety, trustworthiness and ethics. Questions can include:

What are the humanitarian issues raised by the use of unmanned aerial vehicles in military engagements?

What are the ethical and legal issues raised by Robot-Human Interactions?

Is there a place for Robot Ethics?

Should we trust Robots?

What lessons for trust, safety and risk management do driverless automobiles pose?

Are there privacy and security issues in designing carebots?

This Plenary builds on the successful Responsible Artificial Intelligence? A Symposium on Legal, Ethical, and Social Autonomous Systems.

The Panel Members will draw on their experiences and reflect on the following question: What regulatory and governance frameworks do we need to balance innovation and human values in the age of autonomous systems?

Confirmed Panellists (Moderator: Christine Byron (Cardiff))

Michael Beer (Liverpool)

Heather Bradshaw (Oxford/Bristol)

Kerstin Eder (Bristol)

Michael Fisher (Liverpool)

Kheng Koay (Hertfordshire)

Alex Leveringhaus (Oxford)

Joseph Savirimuthu (Liverpool)

David Turns (Cranfield)

One outcome of the Symposium and the Panels on Internet Cultures & Governance and Technologies, Innovation & Justice will be the organization of working papers, workshops and seminars on areas such as UAV, Eldercare Robots and Autonomous Automobiles.