

Podcasts we love!

Prepared by Student/Young Pugwash UK
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NAME	PUBLISHER	DESCRIPTION	TINY URL
Podcast Episode #6: Interviews on Social Responsibility in Robotics and AI	International Committee for Robot Arms Control	<p>In this episode we discuss the social responsibility of robotics manufactures with Ryan Gariepy, CTO of the Canadian company Clearpath Robotics and with Stuart Russell, Professor of Artificial Intelligence at UC Berkeley in the United States. Both spoke during the CCW.</p> <p>Clearpath Robotics took the bold step of becoming the first robotics company with defenCe contracts to come forward and support a ban on Lethal Autonomous Weapons Systems. Ryan tells us why.</p> <p>Prof. Russell points out that there had been little interest within the AI community to accept social responsibility for its creations – but that is changing. A bit more than two years after this conversation, Stuart Russell presented the “Slaughterbots video”.</p>	https://tinyurl.com/53p7b7zu
How we can help technology to be good?	TedTalks	<p>Creativity x Technology = Impact. Every single human is capable of being creative. Technology is providing us with the most powerful tools in history. The world needs all of us to choose to do something positive with that. But technology can often be a problem as well. These days, we are all too familiar with the unintended consequences of technological advances. And the pace of progress is only increasing. Technology advances won’t stop. We don’t get to control whether they happen, but the right design approach lets us influence how they happen. David believes that optimism still works when it comes to creating with technology. By observing a few simple steps, anyone can orient their creativity and invent in a way that brings out the best at the intersection of human and technology.</p>	https://tinyurl.com/2am24yk6
University of Oxford: Ethics in AI	University of Oxford	<p>Over the last decade, concerns about the power and danger of Artificial Intelligence have moved from the fantasy of “Terminator” to reality, and</p>	https://tinyurl.com/yc42wxx4

		<p>anxieties about killer robots have been joined by many others that are more immediate. Robotic systems threaten a massive disruption of employment and transport, while algorithms fuelled by machine learning on (potentially biased) “big data” increasingly play a role in life-changing decisions, whether financial, legal, or medical. More subtly, AI combines with social media to give huge potential for the manipulation of opinion and behaviour, whether to sell a product, influence financial markets, provoke divisive factionalism, or fix an election.</p> <p>All of this raises huge ethical questions, some fairly familiar (e.g. concerning privacy, information security, appropriate rules of automated behaviour) but many quite new (e.g. concerning algorithmic bias, transparency, and wider impacts). It is in this context that Oxford is creating an Institute for AI Ethics, to open up a broad conversation between the University’s researchers and students in the many related disciplines, including Philosophy, Computer Science, Engineering, Social Science, and Medicine (amongst others).</p> <p>The Ethics in AI seminars are intended to facilitate this broad conversation, exploring ethical questions in AI in a truly interdisciplinary way that brings together students and leading experts from around the University.</p>	
The Machine Ethics Podcast	Machine Ethics	This podcast brings together interviews with academics, authors, business leaders, designers and engineers on the subject of autonomous algorithms, artificial intelligence, machine learning, and technology's impact on society.	https://tinyurl.com/3wutheyn
The Governance Podcast: Culture, Science, and the Predicament of Climate Change	Centre for the Study of Governance and Society	On this week’s episode of the Governance Podcast, our Director Prof. Mark Pennington interviews Prof. Michael Hulme from Cambridge University. This episode is titled “Culture, Science, and the Predicament of Climate Change”, where he suggests looking at climate change challenges as predicaments for human societies to cope with.	https://tinyurl.com/5n8wrm98
The Received Wisdom Podcast	Shibita Parthasarathy	<p>Are robots racist? Should we regulate gene editing? Have people stopped trusting experts? Does scientific research make the world a more unequal place?</p> <p>The Received Wisdom is a podcast about how to realize the potential of</p>	https://tinyurl.com/2p8t6f9y

		science and technology by challenging the received wisdom. Join Shobita and Jack as they talk to thinkers and doers from around the world about developing and governing science and technology to make the world a better place.	
Responsible Science (5 episodes)	Radical Science	Radical Science is a podcast series that explores how science is done and how it connects with, impacts and shapes global society. In this five-part mini-series, the team explore what responsible science is and who is responsible for it with some of the influential people and organisations in the world of science.	https://tinyurl.com/2cfv73j3
Nukes of Hazard Podcast	Centre for Arms Control and Non-Proliferation	Nukes of Hazard is the name the Center for Arms Control and Non-Proliferation uses for producing blog posts, podcasts and videos that are smart, factual and shareable.	https://tinyurl.com/accvyvfv
Ethics and genetics: opening the book of life	Guardian Science Weekly (Episode)	<p>In 2001, the journal Nature published the first sequenced human genome. Hailed by many as the greatest achievement of humankind, the Human Genome Project also caused its fair share of outrage - with many of the objections still being argued over today. But are these fears warranted? And with genetic technologies such as synthetic biology advancing rapidly, are we right to tinker with the book of life?</p> <p>To discuss this and more, Ian Sample is joined by a trio of bioethicists: Princeton University's Professor Peter Singer, the University of Newcastle's Professor Jackie Leach Scully, and the University of Oxford's Professor Julian Savulescu.</p>	https://tinyurl.com/3w3m9cep
Philosophy - Ethics of the New Biosciences: Designing Biotechnology	University of Oxford Podcasts (Episode)	In this episode, James King, Lead Designer, Science Practice Ltd. gives a talk on Synthetic Biology - a new approach to genetics which applies engineering principles to biology in the hope of creating medicines, fuels, foods and other useful products.	https://tinyurl.com/3d6zw9tc
Non-proliferation	University of Oxford Podcasts (Series)	This 5 episode series, which was recorded in 2009, explores a range of topics related to nuclear non-proliferation, including the chances and challenges of reaching 'global zero', the processes involved in multilateral disarmament.	https://tinyurl.com/bdhn2uk2
Nuclear weapons at the brink	Bulletin of the Atomic Scientists	In its most recent episode titled Modernizing Doomsday, the At the Brink podcast examines the historical context and repercussions of the current US administration's embrace of the nuclear deterrent. Presented by Lisa Perry	https://tinyurl.com/2p84jysf

		(granddaughter of former Secretary of Defense and chair of the Bulletin's Board of Sponsors, William J. Perry), the episode opens with the alternative visions for control of nuclear energy first proposed by the scientists who created the atomic bombs in 1945—including those who founded the Bulletin of the Atomic Scientists—and ends with the setting of the Doomsday Clock at 100 seconds to midnight in January 2020. Members of the Science and Security Board join other scholars, advocates, and policy makers in clearly outlining the destabilizing costs and effects of nuclear modernization.	
Ethics, Risk and Safety: Nuclear Engineering	Berkley: Nuclear Engineering	This recording of a lecture given by Professor William E. Kastenberg in 2016 addresses the concepts of ethics, risk and safety as key aspects of nuclear science and engineering that occur in the pursuit of energy, the detection, treatment and cure of illness, and the need for national security.	https://tinyurl.com/2pxkhz7p

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