

CONTACT DETAILS

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PROFESSIONAL STATEMENT

My work takes a transdisciplinary approach to understanding and successfully navigating advanced technology transitions within society. I blend research and scholarship with teaching, public engagement and thought leadership, to better-understand the nexus of technology, society and the future, and to equip individuals, communities and organizations across sectors with the knowledge, insights and understanding necessary to ensure human flourishing under transformational technology-driven change at scale.

EDUCATION

PhD: University of Cambridge, U.K. 1989 – 1992
Cavendish Laboratory, Microstructural Physics Department. Ph.D. (Aerosol Physics).
Thesis: Ultrafine aerosol particle collection and analysis (1992)

BSc: University of Birmingham, U.K. 1984 - 1987
Physics. B.Sc. (Hons): Iii

ACADEMIC EMPLOYMENT AND POSITIONS

Arizona State University	8/3/15 - Present
Professor of Advanced Technology Transitions, School for the Future of Innovation in Society	8/3/15 – Present
Associate Dean of Curricula and Student Success, College of Global Futures	7/15/20 – 6/30/22
Associate Director of Faculty, School for the Future of Innovation in Society	8/1/19 – 7/14/20
Director, Future of being Human initiative	8/1/22 – Present
Director, Risk Innovation Nexus	8/1/18 - Present
Director, Risk Innovation Lab	8/3/15 – Present
University of Michigan	4/1/10 – 7/30/15
Professor, Environmental Health Sciences, School of Public Health	9/1/10 – 7/30/15
Director, University of Michigan Risk Science Center	4/1/10 – 7/30/15
Chair, Department of Environmental Health Sciences	6/1/12 – 11/30/14
NSF International Chair of Environmental Health Sciences	1/1/13 – 11/30/14
Charles and Rita Gelman Professor of Risk Science	9/1/10 - 12/31/12

NON-ACADEMIC EMPLOYMENT AND POSITIONS

Woodrow Wilson International Center for Scholars Chief Science Advisor, Project on Emerging Nanotechnologies Science Advisor, Synthetic Biology Project	8/15/05 – 3/31/10
National Institute for Occupational Safety and Health Team Leader – Aerosols Research Team (GS15) Senior Service Fellow (GS14). (2000 – 2004)	1/18/00 – 7/8/05 1/1/04 – 7/8/05 1/18/00 – 1/1/04
Health and Safety Executive, U.K. Head, Exposure Control Section, Health and Safety Laboratory Senior Scientific Officer (1994 – 1998) Higher Scientific Officer (1992 – 1994)	9/21/92 – 1/17/00 9/1/98 – 1/17/00 9/1/94 – 9/1/98 9/21/92 – 9/1/94
Severn Trent Water Ltd., U.K. Management Trainee.	10/1/87 – 10/1/89

ACADEMIC AFFILIATIONS

Mary Lou Fulton Teachers College, ASU Affiliate Faculty Member	2023 - Present
School of Sustainable Engineering and the Built Environment Ira A. Fulton Schools of Engineering, ASU Affiliate Faculty Member	2022 - Present
Interplanetary Initiative, ASU Affiliate Faculty Member	2022 - 2025
Global Security Initiative Center for Human, Artificial Intelligence, and Robot Teaming (CHART), ASU Affiliate Faculty Member	2018 - Present
Center for Law, Science & Innovation, ASU Faculty Fellow	2015 - Present
Senior Global Futures Scholar Julie Ann Wrigley Global Institute of Sustainability and Innovation, ASU	2021 - Present
Global Sports Scholar Global Sports Institute, ASU	2020 - Present
Senior Sustainability Scholar Julie Ann Wrigley Global Institute of Sustainability, ASU	2016 - 2021

ACADEMIC SERVICE POSITIONS

Chair, ASU Promotion and Tenure Committee	2024 – Present
Member, ASU Promotion and Tenure Committee	2023 – Present
Member, ASU AI Advisory Committee	2024 – 2025
Member, ASU Ethics Committee on AI Technology	2024 – 2025
Member, ASU Senate Digitally Enhanced Teaching and Learning Committee	2023 - Present
Member, Space Strategy Committee, Arizona State University	2022 – Present
Chair, Master of Science & Technology Policy program, Arizona State University	2016 – 2020
Search committees	2015 – Present
Chair, tenured professor search, joint SFIS and Fulton Schools of Engineering	2017
Chair, assistant professor search (SFIS), space and society	2017
Chair, tenured professor search (SFIS), innovation policy	2018
Chair, tenured professor search (SFIS), innovation policy	2019

Chair, SFIS Director search

2022

EXECUTIVE & ADVISORY POSITIONS

National Science Foundation

2023 - Present

Member, 4th Gen ERC Societal Impacts Advisory Committee

Advanced Technologies for the Preservation of Biological Systems Engineering Research Center (ATP-Bio)

2020 - Present

Member, Ethics and Public Policy Panel

Institute for Advancing Food and Nutrition Science

2021 - 2024

IAFNS Board of Trustees (formerly ILSI NA)

Co-chair of the Board of Trustees (2021-2023)

Canadian Institute for Advanced Research

2017 - Present

Member of the Research Council

Nature Nanotechnology Advisory Panel

2017 - Present

Advisory group to the editor on developing content on the relationship between technology and society

World Economic Forum

2008 - Present

Committee on top ten emerging technologies (2012 – Present)

Global Futures Council on Agile Governance (2017 – 2019)

Council on the Future of Technology, Values and Policy (2016 – 2017)

Global Agenda Council on Emerging Technologies. (2008 – 2014)

Chair of the World Economic Forum Global Agenda Council on

Emerging Technologies. (2010 – 2011)

Co-chair, World Economic Forum Global Agenda Council on

Nanotechnology (2014 – 2016).

Metacouncil on Emerging Technologies (2014 – 2016)

Advisory Committee, World Economic Forum Technology Pioneers (2012 – 2020)

National Academies of Sciences Committees

2008 - 2021

National Academies of Science, Engineering and Medicine Committee on Emerging Areas of Science, Engineering, and Medicine for the Courts: Identifying Chapters for a Fourth Edition of The Reference Manual on Scientific Evidence – A Workshop. (2020 – 2021)

National Academies of Science Planning Committee on New Technologies and Engagement Approaches to Enhance Research on the Communication about Individual Environmental Health Data. (2016)

National Academies of Science Committee on the Science of Science Communication (2015 – 2016)

National Academies of Science Committee to develop a research strategy for environmental, health, and safety aspects of engineered nanomaterials (2010 – 2013)

National Academies of Science review panel for the National Nanotechnology Initiative Strategy for Nanotechnology Environmental Health and Safety Research (2008)

International Life Science Institute North America

2012 - 2021

ILSI North America Board of Trustees (2012 – 2021)

Vice-chair of the Board of Trustees (2019-2021)

AIP Science Communication Award, Broadcast and New Media

2019 - 2020

Judging committee

American Association for the Advancement of Science

2015 - 2020

AAAS Early Career Award for Public Engagement with Science
Selection Committee

RELATE (Science Communication) 2015 - 2019
Faculty Advisor

Center for Policy on Emerging Technologies 2012 – 2018
Senior Fellow

United Nations Expert Group on Exponential Technological Change 2016 - 2017
New group addressing exponential technological change, automation, and policy implications for sustainable development

Keep on Questioning (I'm A Scientist USA) 2015 - 2017
Board of Advisors

Dow Distinguished Faculty Fellows 2013 - 2015
Member, University of Michigan Dow Distinguished Faculty Fellows

Center for Nanotechnology in Society, ASU 2012 - 2015
Member, Board of Visitors

Graham Sustainability Institute, University of Michigan 2012 - 2015
Member, Executive Committee

Center for the Environmental Implications of Nanotechnology 2009 – 2016
Chair, External Advisory Board

Nanoscale Informal Science Education Network 2009 – 2015
Advisory board member

Environmental Protection Agency 2008
Chair, External Peer Review of the U.S. Environmental Protection Agency Draft Nanomaterial Research Strategy

Environmental Protection Agency 2008
Panel member, Public Meeting on Risk Management Practices for the U.S. Nanoscale Materials Stewardship Program

Council of Canadian Academies 2007
Expert Panel on Nanotechnology Assessment

President's Council of Advisors on Science and Technology 2010 - 2012
Member of the Nanotechnology Working Group

Chemical & Engineering News 2008 - 2011
Advisory Board member

International Council On Nanotechnology (ICON) 2004 - 2011
Executive Committee member

International Life Sciences Institute 2004 – 2010
Member of the ILSI Health and Environmental Sciences Institute Nanomaterial Safety Subcommittee Project Steering Team.

President's Council of Advisors on Science and Technology 2006 - 2009
Member of the Nanotechnology Technical Advisory Group

Organization for Economic Cooperation and Development 2005 - 2007
Working Party on Manufactured Nanomaterials. Project on Emerging Nanotechnologies representative.

EDITORIAL BOARDS

Nanotoxicology Member of the editorial board	2006 - Present
Journal of Responsible Innovation Member, Board of Editors	2013 - Present
Annals of Work Exposure and Health International Advisory Board	2017 - 2024
Annals of Occupational Hygiene International Advisory Board	2006 - 2016
Nano Today Member of the editorial board	2006 - 2009
Journal of Nanoparticle Research Member of the editorial board	2006 - 2012

COMMITTEES (NON-ACADEMIC)

NSET NIOSH representative on the Nanomaterial Science, Engineering and Technology (NSET) subcommittee of the National Science and Technology Council (NSTC).	2004 - 2005
NEHI Co-chair of the Nanotechnology Environmental and Health Impacts (NEHI) interagency working group.	2004 - 2005
International Standards Organization Convener of the International Standards Organization working group TC146/SC2/WG1: Size-selective aerosol sampling and analysis.	2001 - 2005

HONORS AND AWARDS

American Association for the Advancement of Science Lifetime Elected Fellow	2020
Society of Toxicology Public Communications Award	2015
National Institute for Occupational Safety and Health Alice Hamilton Award, Biological Sciences Category Winner (co-author)	2009
National Institute for Occupational Safety and Health Alice Hamilton Award, Biological Sciences Category Winner (co-author)	2006
National Institute for Occupational Safety and Health Alice Hamilton Award, Biological Sciences Honorable Mention (co-author)	2005
National Institute for Occupational Safety and Health Alice Hamilton Award, Engineering & Physical Sciences Honorable Mention (co-author)	2004
National Institute for Occupational Safety and Health Alice Hamilton Award, Engineering & Physical Sciences Honorable Mention (co-author)	2003

GOVERNMENT TESTIMONY AND BRIEFINGS

Formal testimony and briefings include:

President's Council on Science and Technology (PCAST)

Private Meeting on Nanotechnology. Invited briefing. *November 1 2011.*

Wisconsin Assembly Committee on Public Health

Presentation at an information hearing on nanotechnology, potential impacts and regulation. *October 2009*

National Organics Standards Board Materials Committee

Comments on Proposed Recommendations for Nanotechnology in Organic Production and Processing *May 2009.*

U.K. House of Lords Select Committee on Science and Technology.

Written evidence to the Inquiry into the use of nanotechnology in the food sector. *March 2009.*

Food and Drug Administration.

Public meeting on FDA-regulated products that may contain nanoscale materials. *September 8 2008.*

U.S. House of Representatives Committee on Science and Technology.

Hearing on The National Nanotechnology Initiative Amendments Act of 2008. Invited testimony. *April 16 2008.*

U.S. House of Representatives Committee on Science and Technology, Subcommittee on Research and Science Education.

Hearing on Research on Environmental and Safety Impacts of Nanotechnology: Current Status of Planning and Implementation under the National nanotechnology Initiative. Invited testimony. *October 31 2007.*

U.S. House of Representatives Committee on Science.

Hearing on Research on Environmental and Safety Impacts of Nanotechnology: What Are the Federal Agencies Doing? Invited testimony. *September 21 2006.*

President's Council on Science and Technology (PCAST)

Public Meeting on Nanotechnology. Invited briefing. *June 25 2007.*

President's Council on Bioethics.

Nanotechnology. Invited briefing. *June 29 2007.*

Nanoscale Science, Engineering and Technology Subcommittee, National Science and Technology Council, Committee on Technology;

Research Needs and Priorities Related to the Environmental, Health, and Safety Aspects of Engineered Nanoscale Materials: Public Meeting. Submitted testimony. *January 4 2007.*

Food and Drug Administration (FDA)

Consideration of FDA-Regulated Products That May Contain Nanoscale Materials; Public Meeting. Submitted testimony. *September 9 2008.*

European Food Safety Authority

Written comments on nanomaterials and nanotechnology and food and feeds. *March 2008.*

Congressional Nanotechnology Caucus.

General Briefing on Nanotechnology. Chair. *March 3 2007.*

Congressional Nanotechnology Caucus.

Meeting on Nanotechnology and Environment, Health and Safety. Invited briefing. *November 19 2007*

THOUGHT LEADERSHIP

Much of my career over the past 20 years has focused on working through various networks, organizations, and

platforms, to help guide and inform decision making around advanced technology transitions and socially responsible innovation. This includes testifying before congressional committees, working closely with organizations such as the World Economic Forum, OECD and others, contributing to National Academies studies, working widely with print and broadcast media, and writing extensively for a public audience – including through articles, blogs and newsletters.

My influence and impact as a thought leader, communicator, and public intellectual, are driven by a conviction that academics – especially academics at a public university – have a societal responsibility to ensure knowledge and the insights associated with it are made as accessible, meaningful, and impactful, to as many people as possible, whether these are business leaders, policy makers, civil society, educators, members of the public, or others. They are also underpinned by a deeply transdisciplinary approach to exploring and addressing emerging challenges and opportunities. Through my work I intentionally and strategically leverage my expertise, networks, platforms, and skills, in numerous and often novel ways to mobilize knowledge, understanding, and insights, in the service of empowering others to be part of building a positive future together.

In this context I would highlight the following, although this is by no means an exhaustive list of domains I work across:

Advanced Technology Transitions: For over two decades my research and thought leadership have broadly encompassed what may be described as “advanced technology transitions.” This is a field I have highlighted through my public-facing work, and one that represents a unique and broad framework for approaching the beneficial development and use of potentially disruptive new technologies. It is a framework that is becoming increasingly relevant in my thought leadership around advanced technologies such as artificial intelligence and quantum technologies. I founded and direct the ASU Future of Being Human initiative that is explicitly focused on catalyzing conversations around advanced technology transitions, and building thought leadership capacity around technology, society, and the future.

Responsible innovation and emerging technologies: My work over the past 15 years has increasingly focused on supporting decision making around responsible innovation and emerging technologies. Since 2008 I have worked extensively with the World Economic Forum, including participating in and chairing Global Agenda Councils and Global Futures Councils, being an invited speaker at Davos and the Annual Meeting of New Champions in China (the “Summer Davos”), and participating since its inception in the working group behind the World Economic Forum’s annual list of top ten emerging technologies. My writing and academic publications continue to push the boundaries of thinking around socially responsible and beneficial innovation.

Risk Innovation: Much of my professional career has touched on risk, and has ranged from conventional risk assessment and management (especially within the context of occupational and public health), to grappling with novel risks and innovative ways of thinking about and addressing risk. The latter has led to the emergence of “risk innovation” as a unique approach to understanding and navigating complex social risks in particular that are not covered by existing risk frameworks, and yet are critical to advanced technology transitions. My work around risk innovation is reflected in my time as Director of the University of Michigan Risk Science Center and the Arizona State University Risk Innovation Lab, and has focused on engaging with multiple stakeholders. This includes a successful YouTube learning channels on understanding risk – Risk Bites. The channel provides a unique and highly accessible source of content on understanding risk, and includes some of the top-ranked YouTube videos in areas such as nanotechnology, epidemiology, and the fourth industrial revolution.

Responsible and beneficial development of nanotechnology: Through my work with government agencies, industry, civil society, and other organizations, I have had a global impact on research, policy, and decision making around the safe and beneficial development of nanotechnology over the past two plus decades. In the early 2000’s I was responsible for co-leading the US federal government’s strategic initiatives around nanotechnology safety. Between 2005 – 2010 I was an influential thought leader in the responsible development of nanotechnology in my role as Chief Science Advisor to the Woodrow Wilson International Center for Scholars’ Project on Emerging Nanotechnologies. I have testified before congressional committees, served on National Academies committees, worked with organizations that include OSTP, OECD, and the World Economic Forum, and have been a go-to expert on nanotechnology safety for journalists and policy makers. Although my work now

extends far beyond nanotechnology, I continue to contribute to thought leadership here.

Public Engagement: I am known internationally for my work as a highly effective communicator, convener, moderator, and facilitator of public engagement. As well as being a sought-after speaker, I am regularly invited to talk about emerging technologies and responsible innovation by journalists and media outlets. I am a regular contributor to platforms such as Slate Future Tense, World Economic Forum Agenda, and The Conversation, and have written for outlets that include the Washington Post, Discover Magazine, Salon, Scientific American, and The Guardian. In addition, I write extensively for my own public-facing platforms, including a successful Substack newsletter. I approach my public engagement activities as integral to my position as a tenured professor at a public university, and deeply integrated with my scholarship and teaching. I focus specifically on knowledge mobilization, and opening up pathways and opportunities for emerging knowledge and insights to have far-reaching public accessibility, relevance, and impact.

Popular (Trade) Books: I have written three popular books on technology, society, and the future, that are designed to facilitate knowledge mobilization at scale around future-building in a technologically complex world. These books – “Films from the Future,” “Future Rising,” and “AI and the Art of being Human” – uniquely bring complex ideas around emerging technologies, society, and the future, to a broad audience. They are written to be engaging and accessible to a broad audience, while taking readers on a transdisciplinary journey of discovery that opens their eyes to new possibilities and ways of thinking as transformative technologies become increasingly complex and influential. Importantly, this has become a transformative avenue for scaling the national and global reach of my thought leadership and work around knowledge mobilization.

10 MOST CITED PUBLICATIONS IN PEER REVIEW JOURNALS

Google Scholar metrics: Citations: 26,033; H-index: 54; i10-index: 114. (Updated 11/28/25)

1. Poland, C. A., R. Duffin, I. Kinloch, A. Maynard, W. A. H. Wallace, A. Seaton, V. Stone, S. Brown, W. MacNee and K. Donaldson (2008). "Carbon nanotubes introduced into the abdominal cavity of mice show asbestos-like pathogenicity in a pilot study." *Nature Nanotechnology* **3**: 423-428. (3348 citations)
2. Oberdörster, G., A. Maynard, K. Donaldson, V. Castranova, J. Fitzpatrick, K. Ausman, J. Carter, B. Karn, W. Kreyling, D. Lai, S. Olin, N. Monteiro-Riviere, D. Warheit and H. Yang (2005). "Principles for characterizing the potential human health effects from exposure to nanomaterials: elements of a screening strategy." *Part. Fiber Toxicol.* **2**(8): doi:10.1186/1743-8977-1182-1188. (2816 citations)
3. Maynard, A. D., R. J. Aitken, T. Butz, V. Colvin, K. Donaldson, G. Oberdörster, M. A. Philbert, J. Ryan, A. Seaton, V. Stone, S. S. Tinkle, L. Tran, N. J. Walker and D. B. Warheit (2006). "Safe handling of nanotechnology." *Nature* **444**(16): 267-269. (1987 citations)
4. Shvedova, A. A., E. R. Kisin, R. Mercer, A. R. Murray, V. J. Johnson, A. I. Potapovich, Y. Y. Tyurina, O. Gorelik, S. Arepalli, D. Schwegler-Berry, A. F. Hubbs, J. Antonini, D. E. Evans, B. K. Ku, D. Ramsey, A. Maynard, V. E. Kagan, V. Castranova and P. Baron (2005). "Unusual inflammatory and fibrogenic pulmonary responses to single-walled carbon nanotubes in mice." *Am. J. Physiol.-Lung Cell. Mol. Physiol.* **289**: 698-708. (1830 citations)
5. Shvedova, A., V. Castranova, E. Kisin, D. Schwegler-Berry, A. Murray, V. Gandelsman, A. Maynard and P. Baron (2003). "Exposure to carbon nanotube material: Assessment of the biological effects of nanotube materials using human keratinocyte cells." *J. Toxicol. Environ. Health* **66**(20): 1909-1926. (1750 citations)
6. Elder, A., R. Gelein, V. Silva, T. Feikert, L. Opanashuk, J. Carter, R. Potter, A. Maynard, J. Finkelstein and G. Oberdorster (2006). "Translocation of inhaled ultrafine manganese oxide particles to the central nervous system." *Environmental Health Perspectives* **114**(8): 1172-1178. (1552 citations)
7. Maynard, A. D., P. A. Baron, M. Foley, A. A. Shvedova, E. R. Kisin and V. Castranova (2004). "Exposure to Carbon Nanotube Material: Aerosol Release During the Handling of Unrefined Single Walled Carbon Nanotube Material." *J. Toxicol. Environ. Health* **67**(1): 87-107. (1101 citations)
8. Shvedova, A. A., E. Kisin, A. R. Murray, V. J. Johnson, O. Gorelik, S. Arepalli, A. F. Hubbs, R. R. Mercer, P. Keohavong, N. Sussman, J. Jin, J. Yin, S. Stone, B. T. Chen, G. Deye, A. Maynard, V. Castranova, P. A.

- Baron and V. E. Kagan (2008). "Inhalation vs. aspiration of single-walled carbon nanotubes in C57BL/6 mice: inflammation, fibrosis, oxidative stress, and mutagenesis." Am. J. Physiol.-Lung Cell. Mol. Physiol. **295**: L552-L565. (861 citations)
9. Maynard, A. D. and E. D. Kuempel (2005). "Airborne nanostructured particles and occupational health." Journal Of Nanoparticle Research **7**(6): 587-614. (812 citations)
10. Tsuji, J. S., A. D. Maynard, P. C. Howard, J. T. James, C. W. Lam, D. B. Warheit and A. B. Santamaria (2006). "Research strategies for safety evaluation of nanomaterials, part IV: Risk assessment of nanoparticles." Toxicological Sciences **89**(1): 42-50. (689 citations)

PEER REVIEW PUBLICATIONS

Google Scholar: <https://scholar.google.com/citations?hl=en&user=b8NhWc4AAAAAJ>

1. Dudley, S., Maynard, A.D. (2026). Balancing Freedom and Responsibility to Accelerate Biohybrid Research. In: Jiménez Rodríguez, A., *et al.* Biomimetic and Biohybrid Systems. Living Machines 2025. Lecture Notes in Computer Science, vol 15582. Springer, Cham. https://doi.org/10.1007/978-3-032-07448-5_44 (Peer reviewed conference proceedings, published November 2025)
2. Wang, J., Maynard (2025). "A. Gender disparity in U.S. patenting." Humanities and Social Sciences Communications **12**, 1730 (2025). <https://doi.org/10.1057/s41599-025-06038-6>
3. Pruett, T. L., S. M. Wolf, C. C. McVan, P. Lyon, A. M. Capron, J. F. Childress, B. J. Evans, E. B. Finger, I. Hyun, R. Isasi, G. E. Marchant, A. D. Maynard, K. A. Oye, M. Toner, K. Uygun and J. C. Bischof (2025). "Governing new technologies that stop biological time: Preparing for prolonged biopreservation of human organs in transplantation." American Journal of Transplantation **25**(2): 269-276.
4. Wolf, S. M., T. L. Pruett, C. C. McVan, E. Brister, Shawneequa L. Callier, A. M. Capron, J. F. Childress, M. B. Goodwin, Insoo Hyun, R. Isasi, A. D. Maynard, K. A. Oye, P. B. Thompson and T. R. Tiersch (2024). "Anticipating Biopreservation Technologies that Pause Biological Time: Building Governance & Coordination Across Applications." Journal of Law, Medicine and Ethics **52**(3): 534-552.
5. Hyun, I., J. Bischof, S. L. Callier, A. M. Capron, M. B. Goodwin, I. Goswami, R. Isasi, A. Maynard, T. L. Pruett, K. Uygun and S. M. Wolf (2024). "The Need for Upstream Early Public Engagement With Interested Groups on Advanced Biopreservation Technologies." Journal of Law, Medicine and Ethics **52**(3): 585-594.
6. Maynard, A. D., K. Oye, M. Scragg, T. Tripp and S. M. Wolf (2024). "Successfully Bridging Innovation and Application: Exploring the Utility of a Risk Innovation Approach in the NSF Engineering Research Center for Advanced Biopreservation Technologies (ATP-Bio)." Journal of Law, Medicine and Ethics **52**(3): 553-569.
7. Pruett, T. L., S. M. Wolf, C. C. McVan, P. Lyon, A. M. Capron, J. F. Childress, B. J. Evans, E. B. Finger, I. Hyun, R. Isasi, G. E. Marchant, A. D. Maynard, K. A. Oye, M. Toner, K. Uygun and J. C. Bischof (2024). "Governing New Technologies that Stop Biological Time: Preparing for Prolonged Biopreservation of Human Organs in Transplantation." American Journal of Transplantation. (Online) DOI: 10.1016/j.ajt.2024.09.017
8. Wang, J., A. D. Maynard, J. Lobo, K. Michael, S. Motch and D. Strumsky (2024). Knowledge Combination Analysis Reveals That Artificial Intelligence Research Is More Like "Normal Science" Than "Revolutionary Science". Proceedings of the 57th Hawaii International Conference on System Sciences. Hawaii: pp 5598-6007.
9. Kidd, J., P. Westerhoff and A. Maynard (2021). "Survey of industrial perceptions for the use of nanomaterials for in-home drinking water purification devices." NanoImpact **22**: 100320.
10. Hadi, A. and Maynard, A. D. (2021) Design the Future Activities (DFA): A Pedagogical Content Knowledge Framework in Engineering Design Education. Virtual Conference, ASEE Conferences.
11. Maynard, A. D. (2021). "How to Succeed as an Academic on YouTube." Frontiers in Communication **5**(130).
12. Kidd, J., P. Westerhoff and A. Maynard (2020). "Public perceptions for the use of Nanomaterials for in-

- home drinking water purification devices." *NanoImpact*: 100220. DOI: 10.1016/j.impact.2020.100220
13. Guseva Canu, I., K. Batsungnoen, A. Maynard and N. B. Hopf (2020). "State of knowledge on the occupational exposure to carbon nanotube." *International Journal of Hygiene and Environmental Health* **225**: 113472.
 14. Tournas, L., W. Johnson, A. Maynard and D. Bowman (2019). "Germline Doping for Heightened Performance in Sport." *Australian and New Zealand Sports Law Journal* **12**(1): 1-24.
 15. Maynard, A. D. and M. Scragg (2019). "The Ethical and Responsible Development and Application of Advanced Brain Machine Interfaces." *J Med Internet Res* **21**(10): e16321.
 16. Maynard, A. D. and J. Kidd (2018). "Are assumptions of consumer views impeding nano-based water treatment technologies?" *Nature Nanotechnology* **13**(8): 673-674.
 17. Finkel, A. M., et al. (2018). "A "solution-focused" comparative risk assessment of conventional and synthetic biology approaches to control mosquitoes carrying the dengue fever virus." *Environment Systems and Decisions* **38**(2): 177-197.
 18. Hansen, S. F., R. Hjorth, L. M. Skjolding, D. M. Bowman, A. Maynard and A. Baun (2017). "A critical analysis of the environmental dossiers from the OECD sponsorship programme for the testing of manufactured nanomaterials." *Environmental Science: Nano*: 4, 282-291.
 19. Maynard, A. D., D. M. Bowman and J. G. Hodge Jr (2016). "Mitigating Risks to Pregnant Teens from Zika Virus." *The Journal of Law, Medicine & Ethics* **44**(4): 657-659.
 20. Lewis, R. C., R. Hauser, A. D. Maynard, R. L. Neitzel, L. Wang, R. Kavet, P. Morey, J. B. Ford, J. D. Meeker and R. Dadd (2016). "Personal Measures Of Power-Frequency Magnetic Field Exposure Among Men From An Infertility Clinic: Distribution, Temporal Variability And Correlation With Their Female Partners' exposure." *Radiation protection dosimetry* **172**(4): 401-408.
 21. Wilding, L. A., C. M. Bassis, K. Walacavage, S. Hashway, P. R. Leroueil, M. Morishita, A. D. Maynard, M. A. Philbert and I. L. Bergin (2016). "Repeated dose (28-day) administration of silver nanoparticles of varied size and coating does not significantly alter the indigenous murine gut microbiome." *Nanotoxicology* **10**(5): 513-520.
 22. Lewis, R. C., R. Hauser, A. D. Maynard, R. L. Neitzel, L. Wang, R. Kavet and J. D. Meeker (2016). "Exposure to Power-Frequency Magnetic Fields and the Risk of Infertility and Adverse Pregnancy Outcomes: Update on the Human Evidence and Recommendations for Future Study Designs." *Journal of Toxicology and Environmental Health - Part B: Critical Reviews* **19**(1): 29-45.
 23. Wilding, L. A., C. M. Bassis, K. Walacavage, S. Hashway, P. R. Leroueil, M. Morishita, A. D. Maynard, M. A. Philbert and I. L. Bergin (2016). "Repeated dose (28-day) administration of silver nanoparticles of varied size and coating does not significantly alter the indigenous murine gut microbiome." *Nanotoxicology* **10**(5): 513-520.
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22. Maynard, A. D. (2007). Nanotoxicology: Laying a firm foundation for sustainable nanotechnologies. In *Nanotoxicology. Characterization, Dosing and Health Effects*. Eds. N. Monteiro-Riviere and C. L. Tran. New York, Informa: 1-6.
23. Maynard, A. D. (2007). Nanoparticle Safety - A Perspective from the United States. In *Nanotechnology. Consequences for Human Health and the Environment. Issues in Environmental Science and Technology, Volume 24*. Eds. R. E. Hester and R. M. Harrison. Cambridge, UK, The Royal Society of Chemistry.
24. Maynard, A. D. (2007). Nanotechnologies: Overview and issues. In *Nanotechnology - Toxicological issues and environmental safety*. Eds. P. P. Simeonova and M. Luster, Springer: 1-14.
25. Maynard, A. D. and P. A. Baron (2004). Aerosols in the Industrial Environment. In *Aerosols Handbook. Measurement, Dosimetry and Health Effects*. Eds. L. S. Ruzer and N. H. Harley. Boca Raton, CRC Press: 225-264.
26. Brown, L. M., N. Collings, R. M. Harrison, A. D. Maynard and R. L. Maynard, Eds. (2003). *Ultrafine Particles in the Atmosphere*. London, UK, Imperial College Press.
27. Maynard, A. D. (2003). Overview of methods for analysing single ultrafine particles. In *Ultrafine Particles in the Atmosphere*. Eds. L. M. Brown, N. Collings, R. M. Harrison, A. D. Maynard and R. L. Maynard. London, UK, Imperial College Press.
28. Maynard, A. D. and P. A. Jensen (2001). Aerosol Measurement in the Workplace. In *Aerosol Measurement, Principles, Techniques and Applications. Second Edition*. Eds. P. A. Baron and K. Willeke. New York, Wiley Interscience: 779-799.
29. Jones, A. D., R. J. Aitken, L. Armbruster, P. Byrne, J. F. Fabriès, E. Kauffer, G. Lidén, M. Lumens, A.

Maynard, G. Riediger and W. Sahle (2001). *Thoracic sampling of fibres*. Norwich, UK, HSE Books.

TRADE BOOKS

Note: These are hybrid outputs that weave scholarship and thought leadership with accessibility and reach/impact at scale. The decision to publish in the trade press was intentional, and used as a mechanism to both develop new thinking and mobilize it by making it as accessible as possible to a broad audience.

30. Abbott, Jeffrey and Andrew Maynard (2025) *AI and the Art of Being Human: A practical guide to thriving with AI while rediscovering yourself in the process*. Waymark Works Publishing.
31. Maynard, Andrew (2020) *Future Rising: A Journey from the Past, to the Edge of Tomorrow*. Mango Publishing.
32. Maynard, Andrew (2018). *Films from the Future: The Technology and Morality of Sci-Fi Movies*. Mango Publishing.

REPORTS (SELECTED)

1. Maynard, A., C. Corey, A. Greaves, M. Kozar, H. Kwon and M. Scragg (2022). *Conducting Socially Responsible and Ethical Counter Operations Research: A Practical Guide for practitioners* Arizona State University, Lincoln Laboratory. https://riskinnovation.org/wp-content/uploads/2022/04/Conducting_Ethical_CIO_RD_Final_Jan2022vH001.pdf
2. National Academies of Science (2017). *Communicating Science Effectively: A Research Agenda*. National Academies Press. <https://www.nap.edu/catalog/23674/communicating-science-effectively-a-research-agenda>
3. National Academies of Science (2013). *Research Progress on Environmental, Health, and Safety Aspects of Engineered Nanomaterials*. National Academies Press. <https://www.nap.edu/catalog/18475/research-progress-on-environmental-health-and-safety-aspects-of-engineered-nanomaterials>
4. National Academies of Science (2012). *A Research Strategy for Environmental, Health, and Safety Aspects of Engineered Nanomaterials*. National Academies Press. <https://www.nap.edu/catalog/13347/a-research-strategy-for-environmental-health-and-safety-aspects-of-engineered-nanomaterials>
5. Maynard, A. D. and T. Harper (2011). *Building a Sustainable Future: Rethinking the role of technology Innovation in an increasingly interdependent, complex and resource-constrained world*. A report from the World Economic Forum Global Agenda Council on Emerging Technologies. Geneva, World Economic Forum.
6. National Academies of Science (2009). *Review of the Federal Strategy for Nanotechnology-Related Environmental, Health, and Safety Research*. National Academies Press. <https://www.nap.edu/catalog/12559/review-of-the-federal-strategy-for-nanotechnology-related-environmental-health-and-safety-research>
7. Aitken, R. J., S. M. Hankin, B. Ross, C. L. Tran, V. Stone, T. F. Fernandes, K. Donaldson, R. Duffin, Q. Chaudhry, T. A. Wilkins, S. A. Wilkins, L. S. Levy, S. A. Rocks and A. Maynard (2009). *EMERGNANO: A review of completed and near completed environment, health and safety research on nanomaterials and nanotechnology*. Edinburgh, UK, Institute for Occupational Medicine.
8. Maynard, A. D. (2008). *United States House of Representatives Committee on Science & Technology Hearing on: The National Nanotechnology Initiative Amendments Act of 2008*. Testimony of: Andrew D. Maynard, Ph.D. Chief Science Advisor, Project on Emerging Nanotechnologies, Woodrow Wilson International Center for Scholars, Washington, DC. April 16 2008. Washington DC, Project on Emerging Nanotechnologies.
9. Maynard, A. D. (2006). *Nanotechnology: A research strategy for addressing risk*. Washington DC, Woodrow Wilson International Center for Scholars, Project on Emerging Nanotechnologies.
10. Maynard, A. D. (2005). *Inventory of Research on the Environmental, Health and Safety Implications of Nanotechnology* Washington DC, Woodrow Wilson International Center for Scholars, Project on Emerging Nanotechnologies.

11. Baron, P. A., A. D. Maynard and M. Foley (2003). Evaluation of aerosol release during the handling of unrefined carbon nanotube material. Cincinnati, OH, NIOSH.
12. Kenny, L. C., A. D. Maynard, R. C. Brown, B. Crook, A. Curran and D. J. swan (1999). A scoping study into ultrafine aerosol research and HSL's ability to respond to current and future research needs, health and Safety Laboratory, UK.

COURSES TAUGHT

Pizza and a Slice of Future (FIS 394) 1 Credit Hour (Original course, designed from scratch) Arizona State University School for the Future of Innovation in Society	2023 – Present
Basic Prompt Engineering with ChatGPT: Introduction (FIS 394) 1 Credit Hour (Original course, designed from scratch) Arizona State University School for the Future of Innovation in Society	2023
Antarctica: The Frozen Continent (FIS 494/HSD 598) 3 Credit Hours (Study Abroad, developed from previous material)) Arizona State University School for the Future of Innovation in Society	2022
Antarctica: Humans and the Environment (FIS 494/HSD 598) 3 Credit Hours (Developed from previous materials) Arizona State University School for the Future of Innovation in Society	2022
The Moviegoer's Guide to the Future (FIS 394/FIS 338) 3 Credit Hours (Original course, designed from scratch) Arizona State University School for the Future of Innovation in Society	2018 – Present
Intro to Western Theory & Response (HSD 591) 2 Credit Hours. Co-taught (Original content developed by N. Mayberry) Arizona State University School for the Future of Innovation in Society	2019 – 2020
From Reanimation to Robots: Making Sense of Emerging Technologies OLLI 4-session course (Original course, designed from scratch) Arizona State University Osha Life Long Learning Institute	2019 – 2020
Research & Development Administration (HSD 598) 3 Credit Hours. Co-taught. (Original course, designed from scratch with D Bowman) Arizona State University School for the Future of Innovation in Society	2017
Risk and the Future (FIS 332) 3 Credit Hours (Original course, designed from scratch) Arizona State University School for the Future of Innovation in Society	2016 – 2018
Advanced Science and Technology Policy (HSD 502) 3 Credit Hours (Building on existing material) Arizona State University School for the Future of Innovation in Society	2015 – 2021
Introduction to Risk Innovation (HSD 598) 3 Credit Hours (Original course, designed from scratch) Arizona State University School for the Future of Innovation in Society	2015 – 2016
Entrepreneurial Ethics 1.5 Credit Hours (Original course, designed from scratch) University of Michigan College of Engineering	2013 – 2015
Principles of Risk Assessment	2011 - 2015

2 Credit Hours (Building on existing material)
University of Michigan School of Public Health

Professional Perspectives in Environmental Health 2011 - 2014

2 Credit Hours (Original course, designed from scratch)
University of Michigan School of Public Health

Environmental Health Policy 2012 - 2014

2 Credit Hours Co-taught (Original course, designed from scratch)
University of Michigan School of Public Health

Communicating Science through Social Media 2012 - 2013

2 Credit Hours (Original course, designed from scratch)
University of Michigan School of Public Health

Aerosol Dynamics 2002 - 2004

3 Credit Hours Co-taught (Original course, designed from scratch)
University of Cincinnati, Department of Environmental Health

PHD COMMITTEES

Chris Brandt (chair), ASU. Focus: AI and science breakthroughs. Current

Kevin Johnson (chair), ASU. Focus: AI and global development Current

Jonathan Klane (chair), ASU. Focus: Narrative and laboratory safety. Current

Mel Sellick (chair), ASI. Focus: AI and human agency Current

Sean Dudley (chair), ASU. Societal Opportunities and Challenges 2025
at the Emerging Frontier of Biohybrid Robotics

Rizwan Virk (member) ASU. The Metaverse and the Role of Science Fiction 2025
Narratives in Innovation Ecosystems

Walter Johnson (member). ANU. The Construction and Contestation of 2025
Global Neurotechnology Governance

Dania Wright (chair), ASU. Balancing Broader Impacts: 2024
A Study of the NSF's Merit Review Criteria from Individual and
Institutional Perspectives

Amy Pate (member) ASU. Developing Ethnorelative Worldviews in 2024
Instructional Design Teams: A Case Study

Jared Byrne (chair), ASU. Contesting Entrepreneurial Imperialism: 2024
Reimagining Popular Narratives Towards Inclusive Entrepreneurialism

Jeishu Wang (chair), ASU. Combinatorial Inventions in Artificial Intelligence: 2023
Empirical Evidence and Implications for Science, Technology, and Organizations

Jamie Winterton (chair). ASU. Identifying Conflicting Incentives in U.S. Federal 2023
Cybersecurity Policy: A Sociotechnical Systems Approach

Shivam Zaveri (member) ASU. Aligning Decisions with Mission: Using 2023
Socio-Technical Integration for Workers in Industrial Organizations

Nicole Mayberry (co-chair), ASU. Shrouded Cartographies of Subordination: 2022
How Science Fiction Stories Build Anti-Black Futures

Kevin Dwyer (member), ASU. Assessing the Resilience of Dams to Unexpected 2022
Events and Emerging Threats

Jason Brown (chair), ASU. Thinking Like a Futurist: Investigating the 2021
Theories and Processes of Threatcasting Post-Analysis

Robert Sickler (chair), ASU. The Technology Triad: Reimagining the 2021
Relationship Between Technology and Military Innovation

Justin Kidd (member), ASU. An Interdisciplinary Approach to Identifying the Potential Environmental, Human Health, and Societal Impacts of Engineered Metallic and Carbon Nanomaterials	2020
Changdeok Gim (member), ASU. Institutional Management for Infrastructure Resilience	2019
Elizabeth Garbee (chair), ASU. The Value of a STEM PhD	2018
Ryan Lewis (Chair), University of Michigan. Exposure Science Issues Concerning 60 Hz Magnetic Fields.	2015
Dingsheng Li (Member), University of Michigan,.A Physiologically Based Pharmacokinetic Model Study of the Biological Fate, Transport, and Behavior of Engineered Nanoparticles	2014
Ei-Wen Lo (Member), University of Michigan. A Model to Predict Driver Performance When Interacting with In-Vehicle Speech Interfaces for Destination Entry and Music Selection	2012
Kristen Russ (Member), University of Michigan. Cellular Toxicity of C60 Fullerenes in RAW 264.7 Immortalized Macrophages	2012
Sebastien Bau (external examiner), INRS, France. Surface area measurement of nanoscale aerosols.	2008
Shu An Lee (member), University of Cincinnati. Laboratory and field evaluation of N95 respirators using a new method	2004

RESEARCH SUPPORT (Post 2010)

Future Travel Foresight Catalyst

Funding: DOT, 2023 – 2026

Sub-award of DOT grant “Understanding the Future of Travel behavior and Demand

Role: Director

Direct Costs: \$150,000

Future of Being Human initiative

Funding: ASU, 2022 - 2027

Role: Director

Direct Costs: \$750,000

Risk Innovation Accelerator

Funding: ASU, 2017 – 2019

Role: Principle Investigator

Direct Costs: \$250,000

Nanosystems Engineering Research Center for Off-Grid Nanotechnology Enabled Water Treatment (NEWT).

Funding: NSF 2015 – 2025

Role: Investigator

Center for Ingredient Safety and Risk Assessment-Risk Communications Subcontract

Funding: Michigan State University 2014 – 2017

Role: Principle Investigator

Direct costs: \$370,149

Designing a "Solution-Focused" Governance Paradigm for SynBio: Case Studies of Improved Risk Assessment and Creative Regulatory Design

Funding: Alfred P Sloan Foundation (via University of Pennsylvania subcontract) 2013 - 2014

Role: Participating Investigator

Direct costs (personal): \$7,964

Seminar series: Information Communication through Data Visualization

Funding: University of Michigan OVPR. 2012 – 2013

Role: Principle Investigator

Direct costs: \$7,500

Workshop: A roadmap for developing and implementing minimum nanomaterial characterization reporting requirements within regulatory and development communities

Funding: NSF CBET-1239092. 2012 – 2013

Role: Principle Investigator

Direct costs: \$29,500

Modulation of immune-GI function by nanoAg. The goal is to better understand the mechanisms by which ingested engineered nanomaterials interact with the GI tract and the microbiome, and impact on further organs and systems.

Funding: NIEHS, U01. 2010 - 2015

Role: Co-Investigator

Direct costs: \$387,276.00

Support for 2011 Risk Science Symposium. 2011

Funding: Sloan Foundation (B2011-23) 2011

Role: Principle Investigator

Direct costs: \$20,000

University of Michigan Risk Science Center

Funding: Private Donation

Role: Director (2010 – 2015)

Direct costs: ~\$5M

INVITED LECTURES AND ADDRESSES - SELECTION

A small selection from several hundred invited lectures, talks and presentations:

1. AI and the Art of being Human. Invited keynote, OEB 2025. Berlin, Germany (12/4/25)
2. Welcome to the Age of Intelligence: The Future is Here. Invited fireside chat, The Policy Circle Leadership Summit. Phoenix AZ (10/22/2025)
3. Designing our AI Futures. Invited Talk at the launch of AI Salon Lisbon. Lisbon, Portugal (10/14/2025)
4. Advancing Science: Emerging and Converging Technologies. Invited hub talk. World Economic Forum Annual Meeting of New Champions 2025 (6/26/25)
5. What does the future look like? Reimagining education in a time of unprecedented social and technological acceleration. Keynote: Yidan Prize Conference (3/26/25)
6. The Future of Being Human: Thriving in a Technologically Complex World. Invited lecture: Sagewood Institute of Lifelong Learning, Scottsdale AZ. (11/21/24)
7. Thinking Differently about the Future. Invited insights at a private function, Sedona Community Library, Sedona AZ. (11/10/24)

8. Navigating the Artificial Intelligence Technology Transition. Invited seminar: Amity University. Online. (10/11/24)
9. Successfully Bridging Innovation and Application. Exploring a risk innovation approach to developing and using advanced biopreservation technologies. Invited seminar: ATP-Bio Engineering Research Center. Online. (10/8/24)
10. Brain Machine Interfaces: Understanding the potentials and complexities. Invited lecture and panel discussion at the 2024 Dartmouth device Development Forum. Hanover, NH. (9/19/24)
11. A New Science of Navigating Advanced Technology Transitions. Invited keynote at the 2024 IEEE International Symposium on Consumer Technology. Bali, Indonesia. (8/13/24)
12. Spirit of the Senses salon: Successfully Transitioning to the Future. Scottsdale, Arizona. (7/27/24)
13. Letting Biotech Breathe. Moderator for a public panel discussion at the World Economic Forum Annual Meeting of New Champions, Dalian China. (6/26/24)
14. Reimagining Value Chains for 2024. Moderator of invitation-only workshop at the World Economic Forum Annual Meeting of New Champions, Dalian China. (6/26/24)
15. Privacy Enhancing Technologies. Invited talk at the World Economic Forum Annual Meeting of New Champions, Dalian China. (6/26/24)
16. Think Forward: AI Learning Forum, Center on Reinventing Public Education. Invited panelist on Bridging to Broader AI Reality. (4/1/24)
17. Gartner Research Board. Invited talk and discussion on AI. (3/20/24)
18. Future Tense. Invited Talk: Has AI Changed Everything? (Mexico City). 2/27/24
19. Women Corporate Directors (Paradise Valley chapter). Invited dinner talk on artificial intelligence. (1/23/24)
20. Consortium for Science Policy Outcomes. Invited lecture: Responsible Artificial Intelligence: Policy Pathways to a Positive AI Future. (12/15/23)
21. Peoria Chamber of Commerce. Invited lecture: The Future of AI and its Impact on Business (10/18/23)
22. Institute for Advanced Food and Nutrition Science. Invited lecture: The Promise and Hype of Artificial Intelligence. (10/17/23)
23. ASU Mirabella community. Invited lecture: Will AI Kill Us or Save Us? Making sense of the risks, benefits, and hype, of advanced artificial intelligence. (10/12/23)
24. ASU Research Computing Expo. Keynote: Will AI Kill Us or Save Us? Navigating the risk, benefits, and hype, of advanced artificial intelligence. (10/3/23)
25. Arizona Academic Decathlon. Technology and Humanity: Technology, Innovation, and the Economy. (9/15/23)
26. Western University. Invited lecture: Achieving Research with Impact. (4/14/23)
27. Geography 2050. Invited talk at the 2022 Geography 2050 conference: Past is Prologue: What Soylen Green Got Wrong. (11/17/22)
28. National Science Foundation. Gen-4 workshop invited presentation: How can the Gen-4 ERCs map and engage non-industry stakeholders to secure societal benefit? (5/18/22)
29. Global Futures Laboratory. Hosted panel discussion: The Future in 2022 (4/21/22)
30. Global Futures Laboratory. Hosted four Firestarter Chats as part of the opening of the Rob and Melani Walton Center for Planetary Health (4/18-22/22)
31. American Bar Association Toxic Torts and Environmental Law conference. Invited presentation: Rethinking Risk in a COVID-Normal Future (4/8/22)
32. India Science Festival: Fireside chat on innovation and the future. Virtual (1/12/22)
33. The Matrix: Public film showing and panel discussion moderated by Andrew Maynard, at the Majestic Cinema, Tempe (12/10/21)
34. El Paso Space Festival: Nerd Night showing of Contact, with introduction and commentary by Andrew Maynard. (9/22/21)

35. National Academies of Science and Los Alamos National Laboratory Harnessing Transformational Technologies Symposia Series: AI and the Art of Manipulation – How We Need to Think Differently About AI as We Develop Socially Responsible Applications (7/20/21)
36. ATP Bio invited lecture (University of Minnesota): Creating Value in a Complex World (6/29/21)
37. 2021 FRANKx Lecture, ASU: Bounded Infinities, Quantum Tunneling, and the Future of Education (3/19/21)
38. Invited presentation at ISTAS20: Living on the Edge of Tomorrow: A Moviegoer’s Guide to Public Interest Technology (11/12/20)
39. Security and Sustainability Forum, moderator for panel discussion” Prove I Made a Low Carbon Choice – Can smart systems do this? (10/28/20)
40. Invited comments to the National Academies of Science, Engineering and Medicine Committee on Science, Technology, and Law (10/2/20)
41. Arizona MedTech Summit, keynote address: Living on the Edge of Tomorrow: A Moviegoer’s Guide to MedTech? (8/26/20)
42. ANSI Nanotechnology Standards Panel, invited remarks on advanced materials (8/20/20)
43. ILSI NA Annual Meeting: Panel Discussion on Trust in Science (moderator) (7/23/20)
44. Phoenix Arts, Science & Culture Salon (Spirit of the Senses): Future Rising (5/21/20)
45. AZ Tech Council Med Tech Roundtable – presenter (5/19/20)
46. Preparing Future Minority Faculty 2020 Symposium, North Carolina Agricultural and Technical State University: Rethinking the “Pipeline” – Thoughts on Thriving as a STEM PhD (with Elizabeth Garbee) (5/14/20)
47. AME Digital Culture series (ASU): Future Rising: A Journey from the Past to the Edge of Tomorrow (2/27/20)
48. KEEN National Conference: Thin Different: New Tools for Creating Value in an Uncertain World (1/4/20)
49. Arizona Biosecurity Workshop: Innovative ways of thinking about risk in emerging technologies (12/5/19)
50. Phoenix Arts, Science & Culture Salon (Spirit of the Senses): Films from the Future (12/4/19)
51. Waymo: Fireside chat with Governor Doug Ducey (9/19/19)
52. Arizona STEM & Innovation Summit: Pardon my science! (9/17/19)
53. Marsh Digital: Thinking Differently About Risk (7/15/19)
54. ILSI North America: A Moviegoer’s Guide to Responsible and beneficial Innovation (6/24/19)
55. Phoenix Fan Fusion: Multiple panels (5/24/19)
56. Governance of Emerging Technology and Science: Films from the Future (5/22/19)
57. CSPO 20th anniversary: Sci-Fi Snug (5/9/19)
58. Film Bar: Introduction to Planet of the Apes (4/25/19)
59. Let’s Talk Self-Driving: A Fireside Conversation with Waymo’s Tekedra Mawakana (4/11/19)
60. Emerge 2019: Engines of Desire (3/30/19)
61. ASU Law & Society Salon: The Future: Insights from Sci-Fi Films. 1/31/19
62. CES panel *Balancing the speed of innovation and regulation*. Las Vegas 1/9/19
63. Sparks & Honey Daily Briefing—Films from the Future and Cultural Trends. New York City, NY. 12/13/18
64. Films from the Future: What Sci-Fi Movies Can Teach Tech Companies About Socially Responsible Innovation. Tech 2025, Brooklyn NY, 12/13/18
65. Films from the Future: Can science fiction movies really teach us anything about technology innovation? NEXT Conference, San Francisco. 12/5/18
66. The Moviegoer’s Guide to the Future. Alamo Draft House Cinema, Tempe AZ. 11/27/18
67. Base Code: How convergent technologies are transforming the future of sustainable materials, and the challenges and opportunities they in turn present. McGill’s Sustainability Sciences Initiative Annual Symposium, Montreal, Canada. (10/23/18)

68. Humility is not a four-letter word. ASU Grad College Knowledge Impact Awards Keynote. 4/26/18
69. Risk Innovation: The roles of creativity, imagination, and rigor, in exploring future pathways around existential risk. Cambridge Conference on Existential Risk, Cambridge UK, 4/18/18
70. Presentation to a meeting of the National Academies of Science Board of Lifesciences Annual Meeting, on risk, 11/30/17
71. Workshop leader, workshop on agile governance at the World Economic Forum Annual Meeting of the Global Future Councils, Dubai, 11/9/17
72. Workshop on Agile Governance, World Economic Forum Annual Center for the Fourth Industrial Revolution, 9/25/17
73. Presentation to the National Academies of Science Meeting of Experts: Planetary Protection and Terrestrial Contamination Requirements Associated with Sample Caching and Return. 7/31/17
74. Interdisciplinary Perspectives on Complex Risk Analysis Relevant to Emerging Technologies. Presentation to the National Academies of Science Committee to Review Planetary Protection Policy Development Processes, 6/27/17
75. Swiss National Science Foundation: Invited keynote on the culmination of the NRP 64 program on Opportunities and Risks of Nanotechnology. 6/2/17
76. Planetary Protection: Assessing the Risks. A Community Conversation. Plenary at the 2017 Astrobiology Science Conference 4/24/17
77. Risk Communication & Talking to the Public About Chemicals. Panel at GlobalChem 2017, 2/24/17
78. Emerging technologies and their applications – a presentation to the United Nations Expert Meeting on Exponential Technological Change, automation, and their policy implications for sustainable development, 12/6/16
79. Innovating for Social and Economic Success. NEWT Science Seminar, 11/28/16
80. The Future of Zika. Event hosted by the School for the Future of Innovation in Society, 11/9/16
81. American Industrial Hygiene Association Fall Conference. Risk Innovation and the Workplace of the Future. 10/25/16
82. Responsible Industry workshop, Berlin: Responsible Research and Innovation^[1]A US Perspective. 6/22/16
83. Future Tense: Engineering Away Disease (panel discussion). 2/23/16
84. AAAS 2016 Annual Meeting. Moderating panel on Public Engagement and Risk Communication: Case Study of Synthetic Biology. 2/11/16
85. World Economic Forum Summit on the Global Agenda. Panel discussion on the Fourth Industrial evolution. 10/26/15. <https://www.youtube.com/watch?v=Oj3a7O-73bY>
86. NanOEh conference, South Africa. Plenary Presentation “Responsible Innovation and Nanotechnology”. 10/18/15
87. Notre Dame University. Invited lecture “Is responsible nanotechnology doomed to failure?” 10/27/14
88. Royal Society of London meeting on bio-nano interactions: new tools, insights and impacts. Invited lecture: “Innovative approaches to emergent risks”. 5/1/14
89. National Academy of Sciences Forum on Synthetic Biology invited presentation: “Innovative approaches to emergent risks” 3/13/14
90. World Economic Forum Annual Meeting of the New Champions, Dalian China. Panelist “Building the 21st century regulatory system” 9/12/13
91. Argentinean Foundation of Nanotechnology. “Thinking critically and imaginatively about the challenges of sophisticated materials” 10/30/12
92. 2012 Arnold Small Lecture, Human Factors and Ergonomics Society Annual Meeting. “From the nanoscale to the human scale: Connecting nanotechnology and human factors” 10/24/12
93. Harvard University. “The new science of sophisticated materials: Nanomaterials and beyond” 4/13/12
94. Swiss National Science Foundation. “The new science of sophisticated materials: Nanomaterials and beyond” 3/3/11

95. World Economic Forum Annual Meeting, Davos. Challenge to the panel. "The science agenda in 2011" 1/26/11
96. Cincinnati Contemporary Arts Center. "Small Gods... and the art of technology innovation" 12/11/10
97. University of Cambridge Center for Research in the Arts, Social Sciences and Humanities (CRAASH). 6/1/10 "Governing emerging technologies under conditions of uncertainty"
98. Johnson & Johnson. "Effective evidence-based communication strategies. Lessons from nanotechnology" 5/19/10
99. Wisconsin Assembly Committee on Public Health. "Nanotechnology. Opportunities and challenges." 10/6/09
100. Brookings Institution. "Controlling wayward science: Dangers of unanticipated consequences." 6/19/09
101. Transatlantic Consumer Dialogue. "Nanomaterials and consumer products. A perspective from the US." 6/10/08
102. International Joint Commission. "Nanotechnology in perspective. New technologies, new challenges?" 3/30/09
103. Oxford University. "Rethinking science and technology innovation for the 21st century: A nanoscale perspective." 3/12/09
104. Royal Society. Briefing on Synthetic Biology 10/17/08
105. European Aerosol Conference. "Developing Responsible Nanotechnologies. An Aerosol Perspective." 8/28/08
106. Gothenburg University, Gothenburg, Sweden. "Managing the Small Stuff. Ensuring the success of safe nanotechnologies." 5/13/08
107. Swedish Academies of Science. "Smart Science. Challenges and opportunities in the race to develop safe nanotechnologies." 5/12/08
108. New York Academy of Sciences. "Nanotechnology. Science, society and policy." 5/14/07
109. Nanoscience Centre, University of Cambridge, UK. "Nanotechnology and potential risk. Challenges to measuring exposure to engineered nanomaterials." 05/05/07
110. Johns Hopkins University. "The science of nanotechnology and public health" 4/10/07
111. Health Effects Institute annual conference. "Nanoparticles from manufacturing." 4/16/07
112. CalEPA. "Nanotechnology. Maximizing the benefits. Minimizing the risks." 3/8/07
113. Senior Management at the Hong Kong Department of Labor. "Nanotechnology benefits and challenges." 2/8/07
114. Rabobank North American Agribusiness Advisory Board. "Nanotechnology. Why should you care?" 1/30/07
115. University of Virginia. Invited comments on the Opening ceremony for Wilsdorf Hall. 11/10/06
116. NATO ARW, Bulgaria. "Nanotechnology: Overview and issues." 8/13/06
117. The Conference Board. "Nanotechnology. An introduction to the technology, and its EH&S implications." 06/08/06
118. Warner Lecture, British Occupational Hygiene Society. "Nanotechnology: The next big thing, or much ado about nothing?" 04/25/06
119. Robert and Floretta Austin Distinguished Lecture in Science. University of Idaho, Moscow. "Nanotechnology: The next big thing, or much ado about nothing?" 04/17/06
120. Institute of Occupational Safety and Health (IOSH), Taiwan. "Working at the Nanoscale. Nanotechnology and Potential Occupational Health Risk" 01/05/06
121. Academia Sinica, Taiwan. "Nanotechnology: Environment, Safety and Health." 01/04/06
122. Asia Nanotechnology Forum. "Assessing the environmental safety and human health risk of emerging nanotechnologies" 12/9/05
123. Australian Institute for Occupational Hygiene. "Engineered Nanomaterials and Occupational Health" 12/4/05

124. Society Of Toxicology. “Engineered Nanomaterials and Occupational Health” 11/2/05
125. NASA. “Nanotechnology: Overview and relevance to Occupational Health” 10/21/05
126. National Academies of Science, Chemical Sciences Round Table. “Nanotechnology: Opportunities and Challenges in a Changing World.” 09/21/05
127. American Industrial Hygiene Association “Nanotechnology: Overview and Relevance to Occupational Health. 09/14/05
128. EPA. “Nanotechnology and Occupational Health.” 6/13/05
129. Korean Society of Toxicology. “Nanotechnology and occupational health – addressing potential health risks.” 5/13/05
130. American Association for the Advancement of Science. “Nanoaerosol exposure. Generating and characterizing airborne nanoparticles.” 2/20/05
131. American Chemistry Council. Nanotechnology and Occupational Health. “Ensuring a safe and healthful workforce in a changing environment.” 10/24/04
132. NIOSH Board of Scientific Councilors. “The NIOSH Nanotechnology Initiative. Ensuring a safe and healthful workforce in a changing environment.” 10/21/04
133. California Department of Health Services”. Perspectives on a ‘small’ problem. Nanotechnology and Occupational Health.” 3/25/04
134. Scandinavian Electron Microscopy Conference. “From Nuisance dusts to Nanoparticles. The Role of Electron Microscopy in Occupational and Environmental Health.” 6/13/03
135. Royal Society. “Overview of methods for analyzing single ultrafine particles.” 3/15/00

CONFERENCE & WORKSHOP LEADERSHIP

Seventh International Symposium on Nanotechnology and Occupational Health
South Africa (2015). Advisor, and member of the International Advisory Board

2015 Michigan Meeting: Academic engagement in public and political discourse
Ann Arbor (2015). Meeting organizing committee

2013 Bernstein Symposium: Why Is It Hard to Pivot Based on Science?
Ann Arbor (2013). Symposium Chair

Sixth International Symposium on Nanotechnology and Occupational Health
Japan (2013). Advisor, and member of the International Advisory Board

2011 Risk Science Symposium: Risk, Uncertainty and Sustainable Innovation
Ann Arbor MI (2011). Symposium Chair

Fifth International Symposium on Nanotechnology and Occupational Health
Boston (2011). Advisor, and member of the International Advisory Board

Fourth International Symposium on Nanotechnology and Occupational Health
Helsinki (2009). Advisor, and member of the International Advisory Board

Third International Symposium on Nanotechnology and Occupational Health
Taiwan (2007). Co-chair

Second International Symposium on Nanotechnology and Occupational Health
Minneapolis, USA (2005). Co-chair

Materials Research Society
Symposium: Nanomaterials and the Environment (2005). Co-chair

First International Symposium: Nanotoxicology: Biomedical Aspects
Miami (2005). Organizing committee

Developing Experimental Approaches for Evaluation of Toxicological Interactions of Nanoscale Materials

Gainesville Florida (2004) Steering Committee member

First International Symposium on Nanotechnology and Occupational Health

Buxton, UK (2004). Co-chair

Emerging Issues in Nanoaerosol Science and Technology

Workshop sponsored by the National Science Foundation and the Environmental Protection Agency (2003).

Panel Member

Royal Society (London)

“Ultrafine Particles in the Atmosphere” (London, 2000). Co-chair

PUBLIC WRITING (SELECTED)

Contributor to:

- [The Washington Post](#)
- [Substack](#)
- [The Conversation](#)
- [Slate Future Tense](#)
- [World Economic Forum Agenda](#)
- [Scientific American](#)
- [Edge of Innovation](#)

Note: Since 2023 most public writing has intentionally been on the Substack The Future of Being Human and is not listed below.

Selected articles include:

1. Maynard (2023) “Quantum dots are part of a revolution in engineering atoms in useful ways – Nobel Prize for chemistry recognizes the power of nanotechnology” The Conversation, <https://theconversation.com/quantum-dots-are-part-of-a-revolution-in-engineering-atoms-in-useful-ways-nobel-prize-for-chemistry-recognizes-the-power-of-nanotechnology-215015>
2. Maynard (2023) “Navigating the risks and benefits of AI: Lessons from nanotechnology on ensuring emerging technologies are safe as well as successful.” The Conversation, <https://theconversation.com/navigating-the-risks-and-benefits-of-ai-lessons-from-nanotechnology-on-ensuring-emerging-technologies-are-safe-as-well-as-successful-210872>
3. Fink and Maynard (2023) “Top 10 Emerging technologies of 2023: Sustainable Computing” World Economic Forum <https://www.weforum.org/publications/top-10-emerging-technologies-of-2023/in-full/flexible-batteries/#9-sustainable-computing>
4. Maynard (2023) “I Asked ChatGPT to Develop a College Class About Itself. Now, it’s teaching it.” Slate Future Tense, <https://slate.com/technology/2023/07/chatgpt-class-prompt-engineering.html>
5. Maynard (2023) “What’s a Luddite? An expert on technology and society explains” The Conversation, <https://theconversation.com/whats-a-luddite-an-expert-on-technology-and-society-explains-203653>
6. Maynard (2022) “Five Robot Movies That Will Make You Cry” Medium, <https://medium.com/edge-of-innovation/five-robot-movies-that-will-make-you-cry-47848fb79ef3>
7. Maynard (2022) “I asked Open AI’s ChatGPT about responsible innovation. This is what I got” Medium <https://medium.com/edge-of-innovation/i-asked-open-ais-chatgpt-about-responsible-innovation-this-is-what-i-got-c0f4bfe14776>
8. Maynard (2022) “56 Stunning AI-Generated Images Inspired By The Future of Being Human” Medium

- <https://medium.com/edge-of-innovation/56-stunning-ai-generated-images-inspired-by-the-future-of-being-human-6d3ef5cd6674>
9. Maynard (2022) “Why Soylent Green Got 2022 So Wrong” Slate Future Tense. <https://slate.com/technology/2022/08/soylent-green-2022.html>
 10. Maynard (2022) “‘Jurassic World’ scientists still haven’t learned that just because you can doesn’t mean you should – real-world genetic engineers can learn from the cautionary tale” The Conversation <https://theconversation.com/jurassic-world-scientists-still-havent-learned-that-just-because-you-can-doesnt-mean-you-should-real-world-genetic-engineers-can-learn-from-the-cautionary-tale-184369>
 11. Maynard (2022) “Scarlett Johansson’s Amazon Alexa Super Bowl Ad May Be Fun, But It Also Raises Serious Questions” Medium <https://medium.com/edge-of-innovation/scarlett-johanssons-amazon-alexa-super-bowl-ad-may-be-fun-but-it-s-also-scary-cc11d2913707>
 12. Maynard (2021) “Artificial intelligence: Friend or foe for building a better future?” Global Futures | Futurecast Volume 1. https://issuu.com/asuoked/docs/asugflfuturecast_fall2021/s/14160187
 13. Maynard (2021) “Why we should take Elon Musk’s Tesla Bot seriously” FastCompany <https://www.fastcompany.com/90673676/elon-musk-tesla-bot>
 14. Maynard (2020) “10 ways we can build a better relationship with the future” World Economic Forum <https://www.weforum.org/agenda/2020/12/10-ways-we-can-build-a-better-relationship-with-the-future/>
 15. Johnson, Bowman, Tournas and Maynard (2019) “We Are Not Ready to Deal With Gene-Edited Athletes” Future Tense <https://slate.com/technology/2019/12/crispr-prime-editing-gene-doping-athletes.html>
 16. Maynard (2019) “The Many Ways Elon Musk’s Neuralink Could Go Wrong” OneZero <https://onezero.medium.com/how-to-build-a-better-brain-machine-interface-while-not-falling-at-the-first-hurdle-cc238836a2b7>
 17. Maynard (2019) “How to Ensure Our Digital Legacy Isn’t Lost to the Future” OneZero <https://onezero.medium.com/how-to-ensure-our-digital-legacy-isnt-lost-to-the-future-f6a226bc6792>
 18. Maynard (2019) “Neuralink’s Technology Is Impressive. Is It Ethical?” OneZero <https://onezero.medium.com/neuralinks-technology-is-impressive-is-it-ethical-812afb38b19e>
 19. Maynard (2019) “Ethics Boards Won’t Save Big Tech” OneZero <https://onezero.medium.com/tech-companies-need-an-ethics-reset-4d936a27960e>
 20. Lathan and Maynard (2019) “Collaborative Telepresence Could Render Distance (Relatively) Meaningless” Scientific American <https://www.scientificamerican.com/article/collaborative-telepresence-could-render-distance-relatively-meaningless/>
 21. Maynard (2019) “The Forgotten Risk of Fitness Trackers” OneZero <https://onezero.medium.com/personal-fitness-tracking-and-the-hidden-risks-of-seductive-technologies-4070bf17897f>
 22. Maynard (2018) “The 1995 Anime ‘Ghost in the Shell’ is more relevant than ever in today’s technologically complex society” BoingBoing <http://boingboing.net/2018/11/16/the-1995-anime-ghost-in-the.html>
 23. Maynard (2018) “It’s time for tech startups and their funders to take ‘orphan risks’ seriously” LinkedIn. <https://www.linkedin.com/pulse/its-time-tech-startups-funders-take-orphan-risks-andrew-maynard/>
 24. Maynard (2018) “The True Cost of Stain-Resistant Pants” Future Tense <https://slate.com/technology/2018/11/man-in-the-white-suit-nanotechnology-science-innovation.html>
 25. Maynard (2018) “Sci-Fi Movies Are the Secret Weapon That Could Help Silicon Valley Grow Up” Singularity Hub <https://singularityhub.com/2018/11/17/sci-fi-movies-are-the-secret-weapon-that-could-help-silicon-valley-grow-up/>
 26. Finn and Maynard (2018) “How Google Became an Architect of Reality” Slate. <https://slate.com/technology/2018/09/google-manufactures-reality.html>
 27. Johnson, Maynard, and Kirshenbaum (2018) “Burgers grown in a lab are heading to your plate. Will you bite?” Washington Post. https://www.washingtonpost.com/national/health-science/burgers-grown-in-a-lab-are-heading-to-your-plate-will-you-bite/2018/09/07/1d048720-b060-11e8-a20b-5f4f84429666_story.html?utm_term=.7bc29683d45f

28. Maynard (2018) “Nanotechnology: sifting the science from what Elon Musk calls ‘BS’” Australian Broadcasting Company. <http://www.abc.net.au/news/2018-05-30/nanotechnology-elon-musk-bs-science-nanometres/9810978>
29. Maynard (2018) “When will the companies behind self-driving cars listen to the public?” Houston Chronicle. <https://www.houstonchronicle.com/local/gray-matters/article/self-driving-cars-need-community-engagement-12770306.php>
30. Maynard (2018) “Hold Off Dyeing Your Hair With Graphene Nanoparticles” Discover Magazine. <http://blogs.discovermagazine.com/crux/2018/03/20/graphene-nanoparticle-hair-dye/>
31. Flegal and Maynard (2017) ‘Geostorm’ movie shows dangers of hacking the climate – we need to talk about real-world geoengineering now. The Conversation US. <https://theconversation.com/geostorm-movie-shows-dangers-of-hacking-the-climate-we-need-to-talk-about-real-world-geoengineering-now-85866> (republished in a number of outlets, including Popular Science)
32. Maynard (2017) Elon Musk’s Sexy Spacesuit Is One Giant Leap for Space Tourism. Fortune. <http://fortune.com/2017/08/24/spacex-spacesuit-elon-musk-design-space/>
33. Maynard (2017) Dear Elon Musk: Your dazzling Mars plan overlooks some big nontechnical hurdles. The Conversation US. <https://theconversation.com/dear-elon-musk-your-dazzling-mars-plan-overlooks-some-big-nontechnical-hurdles-84948> (republished in a number of outlets, including the Chicago Tribune)
34. Szejda and Maynard (2017) Is lead in the US food supply decreasing our IQ? The Conversation US. <https://theconversation.com/is-lead-in-the-us-food-supply-decreasing-our-iq-79481>
35. Garbee and Maynard (2017) In Praise of Self-Driving Cars and Fender-Benders. Slate Future Tense. http://www.slate.com/articles/technology/future_tense/2017/04/fender_benders_tell_us_more_about_self_driving_cars_than_the_trolley_problem.html
36. Stilgoe and Maynard (2017) It’s time for some messy, democratic discussions about the future of AI. The Guardian. <https://www.theguardian.com/science/political-science/2017/feb/01/ai-artificial-intelligence-its-time-for-some-messy-democratic-discussions-about-the-future>
37. Maynard (2016) In a Post-Truth World, how should we communicate about science? US News & World Report (reposted from The Conversation) <http://www.usnews.com/news/national-news/articles/2016-12-13/what-does-research-say-about-how-to-effectively-communicate-about-science>
38. Maynard and Scheufele (2016) What does research say about how to effectively communicate about science? The Conversation US. <https://theconversation.com/what-does-research-say-about-how-to-effectively-communicate-about-science-70244>
39. Maynard (2016). Will driving your own car become the socially unacceptable public health risk smoking is today? The Conversation US. <https://theconversation.com/will-driving-your-own-car-become-the-socially-unacceptable-public-health-risk-smoking-is-today-65891>
40. Maynard, A. D. (2016) Frankenstein foods, nanotech and the trouble with communicating technology. World Economic Forum. <https://www.weforum.org/agenda/2016/10/the-trouble-with-technology-innovation/>
41. Maynard, A. D. (2016) Why I’m Suffering From Nanotechnology Fatigue. Slate Future Tense. http://www.slate.com/articles/technology/future_tense/2016/09/why_i_m_suffering_from_nanotechnology_fatigue.html
42. Maynard, A. D. (2016). Considering ethics now before radically new brain technologies get away from us. The Conversation US. <https://theconversation.com/considering-ethics-now-before-radically-new-brain-technologies-get-away-from-us-65215>
43. Maynard, A. D. (2016). How Risky are These Top 10 Emerging Technologies? Brink. <http://www.brinknews.com/how-risky-are-these-top-10-emerging-technologies/>
44. Maynard, A. D. (2016). It’ll take more than tech for Elon Musk to pull off audacious new Tesla master plan. The Conversation US. <https://theconversation.com/itll-take-more-than-tech-for-elon-musk-to-pull-off-audacious-new-tesla-master-plan-62884>
45. Maynard, A. D. (2016) How Terrified Should We Be of This Year’s World Economic Forum Top 10

Emerging Technologies? Slate Future Tense.

http://www.slate.com/blogs/future_tense/2016/06/27/world_economic_forum_2016_emerging_technologies_imperil_humanity.html

46. Garbee, E. and Maynard, A. D. (2016). The future of personal satellite technology is here – are we ready for it? The Conversation US. <https://theconversation.com/the-future-of-personal-satellite-technology-is-here-are-we-ready-for-it-58478>
47. Maynard, A. D. (2016) What Do You Think About Scientists Creating Human-Nonhuman Hybrids? Slate Future tense. http://www.slate.com/articles/technology/future_tense/2016/08/nih_asks_for_public_input_on_chimeras_human_nonhuman_hybrids.html
48. Maynard, A. D. (2016). There are microscopic needles in your baby's formula. Just how worried should you be? Salon. http://www.salon.com/2016/05/21/there_are_nanoparticles_in_your_babys_formula_just_how_worried_should_you_be_partner/
49. Maynard A. D. (2016). Public universities must do more: the public needs our help and expertise. The Conversation US. <https://theconversation.com/public-universities-must-do-more-the-public-needs-our-help-and-expertise-56016>
50. Maynard, A. D. (2016). Three ways synthetic biology could annihilate Zika and other mosquito-borne diseases. The Conversation US. <https://theconversation.com/three-ways-synthetic-biology-could-annihilate-zika-and-other-mosquito-borne-diseases-54087>
51. Maynard, A. D. (2016). A further reading list on the Fourth Industrial Revolution. World Economic Forum. <https://www.weforum.org/agenda/2016/01/mastering-the-social-side-of-the-fourth-industrial-revolution-an-essential-reading-list/>
52. Maynard, A. D. (2016). Can citizen science empower disenfranchised communities? The Christian science Monitor. <http://www.csmonitor.com/World/Making-a-difference/Change-Agent/2016/0129/Citizen-science-can-empower-communities> (Also in The Conversation)
53. Maynard, A. D. (2016). The fourth industrial revolution: what does WEF's Klaus Schwab leave out? The Conversation US. <https://theconversation.com/the-fourth-industrial-revolution-what-does-webs-klaus-schwab-leave-out-53049>
54. Maynard, A. D. (2016). Thinking innovatively about the risks of tech innovation. The Conversation US. <https://theconversation.com/thinking-innovatively-about-the-risks-of-tech-innovation-52934>
55. Maynard, A. D. (2015). If Elon Musk is a luddite, count me in! The Conversation US. <https://theconversation.com/if-elon-musk-is-a-luddite-count-me-in-52630>
56. Maynard, A. D. (2015) Are hoverboards bad for you? The Houston Chronicle. <http://www.houstonchronicle.com/local/gray-matters/article/Are-hoverboards-bad-for-you-6723610.php>
57. Maynard, A. D. (2015) What's the real risk from drones this holiday season? The Conversation US. <https://theconversation.com/whats-the-real-risk-from-consumer-drones-this-holiday-season-52330>
58. Maynard, A. D. (2015) Is public engagement really career limiting? Times Higher Education. <https://www.timeshighereducation.com/blog/public-engagement-really-career-limiting>
59. Hoffman, A. J. and Maynard, A. D. (2015) American Universities: Reclaiming our role in society. The Conversation US. <https://theconversation.com/american-universities-reclaiming-our-role-in-society-42522>
60. Maynard, A. D. (2015) Dunkin' Donuts ditches titanium dioxide – but is it actually harmful?. The Conversation US. <https://theconversation.com/dunkin-donuts-ditches-titanium-dioxide-but-is-it-actually-harmful-38627>
61. Maynard, A. D. (2015). Responsible development of new technologies critical in complex, connected world. The Conversation US. <https://theconversation.com/responsible-development-of-new-technologies-critical-in-complex-connected-world-38195>
62. Maynard, A. D. (2015). Are quantum dot TVs – and their toxic ingredients – actually better for the environment? The Conversation. <https://theconversation.com/are-quantum-dot-tvs-and-their-toxic->

[ingredients-actually-better-for-the-environment-35953](#)

63. Maynard, A. D. (2014). We might be able to 3-D print an artificial mind one day. Slate. http://www.slate.com/blogs/future_tense/2014/12/11/_3d_printing_an_artificial_mind_might_be_possible_one_day.html
64. Maynard, A. D. (2014). How Can We Balance the Risks and Rewards of New Technologies? Huffington Post. http://www.huffingtonpost.com/andrew-maynard/how-can-we-balance-the-risks-and-rewards_b_4868729.html
65. Maynard, A. D. (2014). No, Metal Oxides in your food Won't Kill You. The Conversation US. <https://theconversation.com/no-metal-oxide-nanoparticles-in-your-food-wont-kill-you-27545>
66. Maynard, A. D. (2014). Small Packages. A new case study on the health risks of nanotech doesn't tell the whole story: Slate. http://www.slate.com/articles/technology/future_tense/2014/05/nanotechnology_health_risks_why_you_shouldn_t_be_concerned.html
67. Zikmund-Fisher, Scherer and Maynard (2014) What that 'BPA-free' label isn't telling you. The Conversation U. S. <https://theconversation.com/what-that-bpa-free-label-isnt-telling-you-34725>
68. Maynard, A. D. (2008). Living with nanoparticles. Nano Today 3:64.
69. Maynard, A. D. (2008). Setting the nanotech research agenda, in Bulletin of the Atomic Scientists. <http://thebulletin.org/setting-nanotech-research-agenda-0>
70. Maynard, A. D. (2007). Weighing nanotechnology's risks. New York Times. <http://www.nytimes.com/2007/03/28/opinion/28iht-edmaynard.1.5055157.html>
71. Maynard, A. (2006). Nanodollars. New Scientist 189 (2540): 25-25. <https://www.newscientist.com/letter/mg18925400-700-nanodollars/>

ONLINE CONTENT (SELECTED)

Future of Being Human Substack (<https://futureofbeinghuman.com>)

Regular articles on technology, society, and the future of being human

Ten top articles (as of 12/29/2024):

1. What should we be teaching students now to prepare them for the future? (March 10, 2024) <https://futureofbeinghuman.com/p/harari-teaching-future>
2. Is this how AI will transform the world over the next decade? (October 13, 2024) <https://futureofbeinghuman.com/p/amodei-machines-of-loving-grace>
3. In Bill Joy's "Why The Future Doesn't Need us" AI is nowhere, and everywhere (April 26, 2023) <https://andrewmaynard.substack.com/p/in-bill-joys-why-the-future-doesnt>
4. Are educators falling behind the AI curve? (December 13, 2024) <https://futureofbeinghuman.com/p/are-educators-falling-behind-the-ai-curve>
5. Artificial intelligence, agency, and the emergence of humans as AI amanuenses (November 24, 2024) <https://futureofbeinghuman.com/p/artificial-intelligence-agency-human-amanuensis>
6. Five AI-generated podcast episodes that'll make you think (September 22, 2024) <https://futureofbeinghuman.com/p/five-ai-generated-podcast-episodes-from-googles-notebooklm>
7. Is AI poised to suck the soul out of science? (November 10, 2024) <https://futureofbeinghuman.com/p/is-ai-poised-to-suck-the-soul-out-of-science>
8. Does the world need another Future of Humanity Institute? (April 28, 2024) <https://futureofbeinghuman.com/p/beyond-the-future-of-humanity-institute>
9. Is Conscious AI Possible? (June 30, 2024) <https://futureofbeinghuman.com/p/seth-is-conscious-ai-possible>
10. Geoengineering, early warnings, and a dash of Victorian science (December 1, 2024)

<https://futureofbeinghuman.com/p/geoengineering-aerosol-monitoring-john-aitken>

Risk Bites (<https://www.youtube.com/user/riskbites>)

Risk Bites is a YouTube channel produced by and featuring content created by Andrew Maynard. Risk Bites uses white board videos to explore risk for a broad audience. Launched July 2012.

Analytics as of 12/29/24: Subscribers: 25,963. Views: 5.1 million. Watch Time: 174,800 hours.

Selected videos (limited to 10 out of over 100):

1. Ten AI Dangers You Can't Ignore. (April 3, 2023) https://youtu.be/y_gEw_KDnMI
2. How Effective are Face Masks Against COVID Infection? (August 29, 2022) <https://youtu.be/9siVaVqUAoM>
3. Five Ethical Challenges of Advanced Brain Computer Interfaces (November 23, 2020) <https://youtu.be/514agonyu7c>
4. A Practical Guide to Responsible Innovation (October 12, 2020) <https://youtu.be/qFYG9ZnQjHs>
5. The Risks and Ethics of Facial Recognition Technology (June 25, 2020) <https://youtu.be/2SdpzTZTznw>
6. Can sci-fi movies lead to more ethical technologies? (January 20, 2019) https://www.youtube.com/watch?v=pMuO7zJa5_Q
7. How dangerous is radon to your health? (May 2 2018). <https://www.youtube.com/watch?v=SIRVdKdTBFE>
8. What is the Fourth Industrial Revolution? And why should you care? (Jan 16 2018). <https://www.youtube.com/watch?v=qhLvYFLoWE>
9. What is nanotechnology? (July 2016). <https://www.youtube.com/watch?v=DAOFpgocfrg>
10. What are gene drives? A Risk Bites guide (November 2015) <https://www.youtube.com/watch?v=KgvhUPiDdq8>

Modem Futura podcast (<https://podcasts.apple.com/us/podcast/modem-futura/id1771688480>)

A podcast co-hosted with Sean Leahy and focused on the intersection of advanced technologies, society, and the future..

Launched October 2024.

Recent episodes:

1. Live Holiday Special: Futures Speed Round (December 24, 2024) <https://podcasts.apple.com/us/podcast/live-holiday-special-futures-speed-round/id1771688480?i=1000681533653>
2. Live from the Pub! Exploring Digital Realities (December 17, 2024) <https://podcasts.apple.com/us/podcast/live-from-the-pub-exploring-digital-realities/id1771688480?i=1000680665110>
3. Radical Creativity: A Future of Unconventional Possibilities (December 10, 2024) <https://podcasts.apple.com/us/podcast/radical-creativity-a-future-of/id1771688480?i=1000679856580>
4. Envisioning Tomorrow: The Power of Futures Thinking with Ruth Wylie (December 3, 2024) <https://podcasts.apple.com/us/podcast/envisioning-tomorrow-the-power-of-futures-thinking/id1771688480?i=1000679018757>
5. Can AI Reason Like Humans? (November 26, 2024) <https://podcasts.apple.com/us/podcast/can-ai-reason-like-humans/id1771688480?i=1000678256818>
6. Simulation Hypothesis with Rizwan Virk (November 19, 2024) <https://podcasts.apple.com/us/podcast/simulation-hypothesis-with-rizwan-virk/id1771688480?i=1000677438893>
7. Waymo we go! - Navigating the Future of Autonomous Driving (November 12, 2024) <https://podcasts.apple.com/us/podcast/waymo-we-go-navigating-the-future-of-autonomous-driving/id1771688480?i=1000676605555>
8. Can Machines Think? (November 5, 2024) <https://podcasts.apple.com/us/podcast/can-machines-think/id1771688480?i=1000675736454>

9. Halloween edition featuring War of the Worlds (October 31, 2024) <https://podcasts.apple.com/us/podcast/halloween-edition-featuring-war-of-the-worlds/id1771688480?i=1000675177435>
10. Bio Hacking (October 29, 2024) <https://podcasts.apple.com/us/podcast/bio-hacking/id1771688480?i=1000674834078>

Mission: Interplanetary podcast (<https://podcasts.apple.com/us/podcast/mission-interplanetary/id1557978522>)

A podcast co-hosted with former astronaut Cady Coleman, and produced through the ASU Interplanetary Initiative. Series one was hosted by Slate.

Launched April 2021.

Recent episodes:

1. How will we govern the moon? (Nov 15, 2022) <https://podcasts.apple.com/us/podcast/how-will-we-govern-the-moon/id1557978522?i=1000586235889>
2. What are we learning from the JWST? (Nov 8, 2022) <https://podcasts.apple.com/us/podcast/what-are-we-learning-from-the-jwst/id1557978522?i=1000585457362>
3. What is the future of food in space? (Nov 1, 2022) <https://podcasts.apple.com/us/podcast/what-is-the-future-of-food-in-space/id1557978522?i=1000584635756>
4. What can building spaceships teach us about teams? (Oct 18, 2022) <https://podcasts.apple.com/us/podcast/what-can-building-spaceships-teach-us-about-teams/id1557978522?i=1000582997573>
5. What will we do on the moon? (Oct 11, 2022) <https://podcasts.apple.com/us/podcast/what-will-we-do-on-the-moon/id1557978522?i=1000582254547>
6. What can we do about space debris? (Oct 4, 2022) <https://podcasts.apple.com/us/podcast/what-can-we-do-about-space-debris/id1557978522?i=1000581540359>
7. Are We Done Searching for Intelligent Life? (May 10, 2022) <https://podcasts.apple.com/us/podcast/are-we-done-searching-for-intelligent-life/id1557978522?i=1000560236245>
8. What Will People Do on a Private Space Station? (May 3, 2022) <https://podcasts.apple.com/us/podcast/what-will-people-do-on-a-private-space-station/id1557978522?i=1000559440170>
9. Making Space Accessible Part 2 (April 26, 2022) <https://podcasts.apple.com/us/podcast/making-space-accessible-pt-2/id1557978522?i=1000558714851>
10. Making Space Accessible Part 1 (April 19, 2022) <https://podcasts.apple.com/us/podcast/making-space-accessible-pt-1/id1557978522?i=1000558010513>
11. Mars vs Venus (April 12, 2022) <https://podcasts.apple.com/us/podcast/mars-vs-venus/id1557978522?i=1000557210454>
12. Space and Climate Change (April 5, 2022) <https://podcasts.apple.com/us/podcast/space-and-climate-change/id1557978522?i=1000556279947>
13. The Dangers of a Crewed Mission to Mars (March 29, 2022) <https://podcasts.apple.com/us/podcast/the-dangers-of-a-crewed-mission-to-mars/id1557978522?i=1000555561265>
14. Is Space Mining Really Viable? (March 22, 2022) <https://podcasts.apple.com/us/podcast/is-space-mining-really-viable/id1557978522?i=1000554825289>
15. Sharing Space (May 11, 2021) <https://podcasts.apple.com/us/podcast/sharing-space/id1557978522?i=1000521276726>
16. Trash at 17,000 mph (May 4, 2021) <https://podcasts.apple.com/us/podcast/trash-at-17-000-mph/id1557978522?i=1000520014287>
17. Murder in Space (April 27, 2021) <https://podcasts.apple.com/us/podcast/murder-in-space/id1557978522?i=1000518803810>

18. Closing Time (April 20, 2021) <https://podcasts.apple.com/us/podcast/closing-time/id1557978522?i=1000517873681>
19. No Space for Columbus (April 13, 2021) <https://podcasts.apple.com/us/podcast/no-space-for-columbus/id1557978522?i=1000516925309>
20. Our Mars Fixation (April 6, 2021) <https://podcasts.apple.com/us/podcast/our-mars-fixation/id1557978522?i=1000515961646>
21. A Space of One's Own (March 30, 2021) <https://podcasts.apple.com/us/podcast/a-space-of-ones-own/id1557978522?i=1000514997016>
22. Our Celestial Bodies, Ourselves (March 23, 2021) <https://podcasts.apple.com/us/podcast/our-celestial-bodies-ourselves/id1557978522?i=1000514085254>

Future Out Loud Podcast (<https://soundcloud.com/user-723097380>)

Future Out Loud is a podcast conceived and produced by Heather Ross, and co-hosted by Andrew Maynard. It explores the intersection between science, technology and society.

Launched November 2016.

Recent episodes (selection from over 50 episodes):

1. Estonian Election Security (June 2019) <https://soundcloud.com/user-723097380/estonian-election-security>
2. Elections for the Next Generation (June 2019) <https://soundcloud.com/user-723097380/elections-for-the-next-generation>
3. Ranked Choice Voting (April 2019) <https://soundcloud.com/user-723097380/ranked-choice-voting>
4. Election Security with Maricopa County Recorder Adrian Fontes (April 2019) <https://soundcloud.com/user-723097380/election-security-adrian-fontes>
5. AZ Secretary of State Katie Hobbs (April 2019) <https://soundcloud.com/user-723097380/az-secretary-of-state-katie-hobbs>
6. Elections (April 2019) <https://soundcloud.com/user-723097380/elections>
7. Films from the Future (2018) <https://soundcloud.com/user-723097380/films-from-the-future>
8. Should technology solve humanity's problems? (2018) <https://soundcloud.com/user-723097380/google-ceo>
9. 3D printed guns (2018) <https://soundcloud.com/user-723097380/3d-guns>
10. Global innovation in human rights, with Erica Kochi (May 2018) <https://soundcloud.com/user-723097380/human-rights>
11. How to govern emerging technologies, with Gillian Hadfield (May 2018) <https://soundcloud.com/user-723097380/hadfield>
12. DIY Biohacking, with Todd Kuiken (May 2018) <https://soundcloud.com/user-723097380/diy-biohacking>
13. Autonomous Vehicle Fatality Number 1 (2018) <https://soundcloud.com/user-723097380/av-fatality>
14. Future of Energy Systems (2018) <https://soundcloud.com/user-723097380/future-energy-systems>
15. EpiFinder (2018) <https://soundcloud.com/user-723097380/epifinder>
16. GeneSports (February 2018) <https://soundcloud.com/user-723097380/genesports>
17. Can My Tech Feel Me? (February 2018) <https://soundcloud.com/user-723097380/can-my-tech-feel-me>
18. Sci Fi Grounded in Space (January 2018) <https://soundcloud.com/user-723097380/sci-fi-grounded-in-space>
19. Net Neutrality (January 2018) <https://soundcloud.com/user-723097380/net-neutrality>
20. Greg Benford (December 2017) <https://soundcloud.com/user-723097380/greg-benford>

Edge of Innovation (<https://theconversation.com/columns/andrew-maynard-128048>)

Edge of Innovation was a column written for The Conversation between 2015 – 2016 (when column writers were incorporated into mainstream articles on the website). A full list of articles on The Conversation can be found here: <https://theconversation.com/profiles/andrew-maynard-128048/articles>

Selection of articles (also listed elsewhere in CV):

1. Will driving your own car become the socially unacceptable public health risk smoking is today? (September 2016) <https://theconversation.com/will-driving-your-own-car-become-the-socially-unacceptable-public-health-risk-smoking-is-today-65891>
2. Considering ethics now before radically new brain technologies get away from us (September 2016) <https://theconversation.com/considering-ethics-now-before-radically-new-brain-technologies-get-away-from-us-65215>
3. It'll take more than tech for Elon Musk to pull off audacious new Tesla master plan (July 2016) <https://theconversation.com/itll-take-more-than-tech-for-elon-musk-to-pull-off-audacious-new-tesla-master-plan-62884>
4. How risky are the World Economic Forum's top 10 emerging technologies for 2016? (June 2016) <https://theconversation.com/how-risky-are-the-world-economic-forums-top-10-emerging-technologies-for-2016-61349>
5. Nanoparticles in baby formula: should parents be worried? (May 2016) <https://theconversation.com/nanoparticles-in-baby-formula-should-parents-be-worried-59246>
6. We don't talk much about nanotechnology risks anymore, but that doesn't mean they're gone (March 2016) <https://theconversation.com/we-dont-talk-much-about-nanotechnology-risks-anymore-but-that-doesnt-mean-theyre-gone-56889>
7. Public universities must do more: the public needs our help and expertise (March 2016) <https://theconversation.com/public-universities-must-do-more-the-public-needs-our-help-and-expertise-56016>
8. Three ways synthetic biology could annihilate Zika and other mosquito-borne diseases (February 2016) <https://theconversation.com/three-ways-synthetic-biology-could-annihilate-zika-and-other-mosquito-borne-diseases-54087>
9. Can citizen science empower disenfranchised communities? (January 2016) <https://theconversation.com/can-citizen-science-empower-disenfranchised-communities-53625>
10. The fourth industrial revolution: what does WEF's Klaus Schwab leave out? (January 2016) <https://theconversation.com/the-fourth-industrial-revolution-what-does-wefs-klaus-schwab-leave-out-53049>

Science Showcase (<http://scienceshowcase.org>)

Science Showcase is a YouTube platform that was established by Andrew Maynard. It provides a forum for researchers to showcase highly accessible videos on the “what” and “how” of science, technology and engineering.

Media interviews, appearances, quotes

Please see <https://andrewmaynard.net/in-the-media/> for an up-to-date list as the following links are just a small representation:

1. Sora 2 and AI generated video. Good Morning Arizona (10/8/25) <https://andrewmaynard.net/wp-content/uploads/2025/10/Maynard-Good-Morning-Arizona-10-8-25.mov>
2. Self-driving cars and severe weather struggles. Good Morning Arizona (9/29/25) <https://andrewmaynard.net/wp-content/uploads/2025/09/Good-morning-arizona-9-29-25-Waymo.mov>
3. ASU to explore facial recognition tech for future football games. AZ Family News, Phoenix. (9/25/25) <https://www.azfamily.com/2025/09/26/asu-explore-facial-recognition-tech-future-football-games/>
4. Waymo brings self-driving cars to Denver streets. 9 News Denver (9/3/25) <https://www.9news.com/article/news/local/colorado-news/waymo-self-driving-cars-denver/73-985c9dd0-57cd-426c-bbe6-f21a8cfed06b>
5. World Economic Forum Top Ten Emerging Technologies – Generative watermarking (with Katherine Daniell). World Economic Forum (6/24/25) <https://www.weforum.org/publications/top-10-emerging-technologies-of-2025/in-full/structural-battery-composites/#10-generative-watermarking>

6. World Economic Forum Top Ten Emerging Technologies – Nanozymes (with Javier Garcia-Martinez). World Economic Forum (6/24/25) <https://www.weforum.org/publications/top-10-emerging-technologies-of-2025/in-full/structural-battery-composites/#8-nanozymes>
7. World Economic Forum Top Ten Emerging Technologies – Structural composite batteries (with Doug Arent and David Parekh). World Economic Forum (6/24/25) <https://www.weforum.org/publications/top-10-emerging-technologies-of-2025/in-full/structural-battery-composites/#structural-battery-composites>
8. The future of being human: education in the age of AI. The Yidan Prize blog (4/25/2025) <https://yidanprize.org/events-and-news/news/education-in-the-age-of-ai>
9. Was AI a catalyst in the Cybertruck explosion? Experts weigh in on ChatGPT's role. Las Vegas Review-Journal (1/13/25) <https://www.reviewjournal.com/crime/the-man-who-blew-up-a-cybertruck-used-chatgpt-should-this-raise-concerns-about-artificial-intelligence-3264064/>
10. AI and technology developments at CES. Morning Wave in Busan (Live radio) (1/9/2025) <https://www.youtube.com/live/6kmlSmD5hgg?t=5405s>
11. How Waymo prevented a man in LA from stealing driverless vehicle. CBS 5 News (1/3/2025) <https://www.azfamily.com/2025/01/04/how-waymo-prevented-man-la-stealing-driverless-vehicle/>
12. Podcast explores the future in a rapidly evolving world. ASU News (11/27/24) <https://news.asu.edu/2024/11/27-science-and-technology-podcast-explores-future-rapidly-evolving-world>
13. Arizona parents sending kids in Waymo cars alone against app policy. 3TV Arizona (10/21/24) <https://www.azfamily.com/2024/10/22/arizona-parents-sending-kids-waymo-cars-alone-against-app-policy/>
14. Personsoökarattackerna i Libanon: framtidens krig är här. SverigesRadio/Konflikt (10/18/24) <https://sverigesradio.se/avsnitt/personsoökarattackerna-i-libanon-framtidens-krig-ar-har>
15. The US presidential election's implications for chemistry. C&E News (10/4/24) <https://cen.acs.org/policy/US-presidential-elections-implications-chemistry/102/i31>
16. These schools don't fear artificial intelligence. They put it to work. FastCompany (9/25/24) <https://www.fastcompany.com/91186463/ai-ignition-schools-2024>
17. Lebanon explosions raise alarm about supply chain security, safety of tech. Al Jazeera (9/19/24) <https://www.aljazeera.com/economy/2024/9/19/lebanon-blasts-raise-alarm-about-supply-chain-security-tech-safety>
18. Should we bring generative AI into the classroom? World Economic Forum (8/5/27) <https://www.linkedin.com/feed/update/urn:li:activity:7226255802200707072/>
19. With Elon Musk all in for Donald Trump, what might that mean for US space policy? South China Morning Post (7/26/24) <https://www.scmp.com/news/china/article/3272100/elon-musk-all-donald-trump-what-might-mean-us-space-policy>
20. Letting Biotech Breathe. World Economic Forum Annual Meeting of the New Champions (6/25/24) <https://www.youtube.com/watch?v=pjBB5-v0OZ0>
21. We're All Gonna Die (Even Jay Baruchel) Series 2 – interviews with Jay Baruchel on AI and nanotechnology for the documentary series (aired Spring 2024) <https://www.cwtv.com/shows/were-all-gonna-die/jay-i/?play=f2b92161-778b-48e1-8f8a-940f9bef674b>
22. The Relentless Pursuit Podcast: "Into the Metaverse" - an Interview with Professor Andrew Maynard (November 1, 2022) <https://podcasts.apple.com/us/podcast/into-the-metaverse-an-interview-with/id1514156204?i=1000584740117>
23. Center for Responsible Innovation podcast: RISK INNOVATION and the power of WONDER & AWE in innovation success (October 10, 2022) <https://www.youtube.com/watch?v=go1NDNJ2QBQ>
24. 'Full Self-Driving' clips show owners of Teslas fighting for control, and experts see deep flaws. Washington Post. (February 10, 2022) (extensively interviewed and quoted). <https://www.washingtonpost.com/technology/2022/02/10/video-tesla-full-self-driving-beta/>
25. Horizon, Arizona PBS: The metaverse could become a reality in the next few years (December 16, 2021) <https://azpbs.org/horizon/2021/12/metaverse-could-become-a-reality-next-few-years/>
26. KJZZ: 'Future Rising': How Technology Might Stop Humanity From Repeating Past Mistakes (November

- 23, 2020): <https://kjzz.org/content/1638027/future-rising-how-technology-might-stop-humanity-repeating-past-mistakes>
27. KPCW: A Journey From The Past To The Edge of Tomorrow with Dr. Andrew Maynard (November 19, 2020) <https://www.kpcw.org/post/journey-past-edge-tomorrow-dr-andrew-maynard#stream/0>
28. WAMC: "Future Rising" By Andrew Maynard (October 29, 2020) <https://www.wamc.org/post/future-rising-andrew-maynard>
29. ASU Now: 'Future Rising' looks back to design for the future (October 20, 2020) <https://asunow.asu.edu/20201020-creativity-future-rising-looks-back-design-future>
30. NPR: Precautionary Behavior Around Coronavirus Aligns With Perceived Risk (March 21, 2020) <https://www.npr.org/2020/03/21/819629077/precautionary-behavior-around-coronavirus-aligns-with-perceived-risk>
31. KJZZ: ASU Professor: Some Businesses Struggle To Adapt, Innovate (December 16, 2019) <https://kjzz.org/content/1357611/asu-professor-some-businesses-struggle-adapt-innovate>
32. The Future Will Not Be Podcast podcast: Science Fiction (September 17, 2019) <http://www.thefuturewillnotbepodcast.com/sci-fi>
33. ASU Thought Huddle Podcast: Future Visions, Past Reflections (September 2019) <https://asunow.asu.edu/thought-huddle/future-visions-past-reflections>
34. Tech2025 podcast: Tech News Roundup with Andrew Maynard (August 5, 2019) <https://tech2025.com/2019/08/05/tech-news-roundup-with-andrew-maynard-your-face-is-a-weapon-google-employees-love-berniewarren-new-bill-on-tech-addiction-and-turning-children-into-cyborgs/>
35. This Week in Tech – Andrew Maynard, Films from the Future (August 2, 2019) <https://twit.tv/shows/triangulation/episodes/408>
36. Balancing the speed of innovation and regulation (panel discussion at CES 2019 – February 2019) <https://videos.ces.tech/detail/video/5987711783001/balancing-the-speed-of-innovation-and-regulation>
37. Big Picture Science – Sci-Fi From the Future (January 2019) <http://radio.seti.org/episodes/sci-fi-future>
38. KJZZ – What Science Fiction Can Teach Us About Today's Social Issues (November 2018) <https://kjzz.org/content/731355/what-science-fiction-can-teach-us-about-todays-social-issues>
39. Spark Radio – From precogs to T-rex, sci-fi films teach us about the ethics of new technology (December 2018) <https://www.cbc.ca/radio/spark/from-precogs-to-t-rex-sci-fi-films-teach-us-about-the-ethics-of-new-technology-1.4955887>
40. IEEE Spectrum – Q&A: Can Sci-fi Movies Help Us Avoid Technological Disaster? (November 2018) <https://spectrum.ieee.org/tech-talk/at-work/innovation/can-sci-fi-movies-help-us-avoid-disaster>
41. ASU/Got a Minute – Andrew Maynard on Fear (September 2018) <https://asunow.asu.edu/content/andrew-maynard-fear>
42. FastCompany – How The World Economic Forum Is Tackling The Dangers Of Big Tech (January 2018) <https://www.fastcompany.com/40518077/how-wef-tackles-dangers-of-big-tech>
43. World Economic Forum – Podcast: The Fourth Industrial Revolution and the future of work (February 2018) <https://www.weforum.org/agenda/2018/02/podcast-work-in-the-4ir/>
44. The State Press – Frankenstein Project is starting conversations about scientific responsibility (October 2017) <http://www.statepress.com/article/2017/10/spscience-frankenstein-is-used-to-start-conversations-about-scientific-responsibility>
45. Salon – The Impossible Burger wouldn't be possible without genetic engineering (September 2017) https://www.salon.com/2017/09/03/the-impossible-burger-would-not-be-possible-without-genetic-engineering_partner-2/
46. ASU Now – ASU prof hosts video contest to bolster science communication (August 2017) <https://asunow.asu.edu/20170803-solutions-asu-prof-hosts-video-contest-bolster-science-communication>
47. Space.com – Planetary Protection: Contamination Debate Still Simmers (May 2017) <https://www.space.com/36708-planetary-protection-astrobiology-nasa-missions.html>

48. Scientific American – Could "Planetary Protection" Scuttle Otherworldly Exploration? (May 2017) <https://www.scientificamerican.com/article/could-planetary-protection-scuttle-otherworldly-exploration/>
49. Express – Nanotechnology among us but regulators aren't doing enough to protect humans, experts warn (March 2017) <https://www.express.co.uk/news/science/776686/nanotechnology-danger-cancer-brain-lungs>
50. KEDtalks – Risk is not just a four letter word (January 2017) <https://vimeo.com/196890016>
51. Big Picture Science – Amelia Earhart: Andrew Maynard / Inescapable Uncertainty (January 2017) <http://blog.bigpicture-science.org/2017/01/big-picture-science-amelia-earhart-andrew-maynard-inescapable-uncertainty/>
52. Big Picture Science – Skeptic Seth: Andrew Maynard / Fearing Technology (August 2015) <http://blog.bigpicture-science.org/2015/08/big-picture-science-skeptic-seth-andrew-maynard-fearing-technology/>
53. Big Picture Science – The Me in Measles: Andrew Maynard / Accurate Data (March 2015) <http://blog.bigpicture-science.org/2015/03/big-picture-science-the-me-in-measles-andrew-maynard-accurate-data/>
54. Big Picture Science – Tale of the Distribution: Andrew Maynard / Risk Assessment (October 2014) <http://blog.bigpicture-science.org/2014/10/big-picture-science-tale-of-the-distribution-andrew-maynard-risk-assessment/>
55. Michigan Radio – Here's why so few people get flu shots (October 2014) <https://www.michiganradio.org/post/heres-why-so-few-people-get-flu-shots>
56. University of Michigan School of Public Health: Think Small (as in Nano Small). (May 2012). <https://www.youtube.com/watch?v=p77fzbfNyes>
57. Discovery – Nanotech Risks (April 2009) <https://www.youtube.com/watch?v=qc0KLV8CW08>
58. Discovery – Nanotech Rewards (April 2009) https://www.youtube.com/watch?v=yYXWHVZU0_g

Interplanetary Community in a Box Project (Medium – <https://medium.com/interplanetary-community-in-a-box-initiative>)

The Interplanetary Community in a Box Project is a multi-author Medium publication with Maynard as Editor-in-Chief, that is designed to kick-start conversations around off-world community building.

Medium (<https://2020science.medium.com/>)

Since 2014 Maynard has published over 100 thought pieces on the platform Medium.

2020 Science (2007 – 2019) (<http://2020science.org>)

2020 Science was a personal blog exploring emerging technologies and responsible innovation. It was archived in 2019 as Maynard focused increasingly on other communication platforms.

Mind the Science Gap (<http://mindthesciencegap.org>)

Mind the Science Gap was launched in 2012 as a unique approach to helping public health graduate students at the University of Michigan hone their science communication skills, and ran until 2014. While active, it had nearly 400 posts, over 4000 comments, and half a million page views.