CURRICULUM VITAE

CONTACT DETAILS

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	Professor or Advanced Technology Transitions, Thunderbird School of Global Management, Arizona State University 401 North 1st Street Phoenix, AZ 85004
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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, Thunderbird School of Global Management	*8/1/26 – Present*
Professor, School for the Future of Innovation in Society	*8/3/15 – 7/31/26*
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 8/15/05 – 3/31/10
Chief Science Advisor, Project on Emerging Nanotechnologies
Science Advisor, Synthetic Biology Project

National Institute for Occupational Safety and Health 1/18/00 – 7/8/05
Team Leader – Aerosols Research Team (GS15) *1/1/04 – 7/8/05*
Senior Service Fellow (GS14). (2000 – 2004) *1/18/00 – 1/1/04*

Health and Safety Executive, U.K. 9/21/92 – 1/17/00
Head, Exposure Control Section, Health and Safety Laboratory 9/1/98 – 1/17/00
Senior Scientific Officer (1994 – 1998) 9/1/94 – 9/1/98
Higher Scientific Officer (1992 – 1994) 9/21/92 – 9/1/94

Severn Trent Water Ltd., U.K. 10/1/87 – 10/1/89
Management Trainee.

ACADEMIC AFFILIATIONS

Mary Lou Fulton Teachers College, ASU 2023 - Present
Affiliate Faculty Member

School of Sustainable Engineering and the Built Environment 2022 - Present
Ira A. Fulton Schools of Engineering, ASU
Affiliate Faculty Member

Interplanetary Initiative, ASU 2022 - 2025
Affiliate Faculty Member

Global Security Initiative 2018 - 2025
Center for Human, Artificial Intelligence, and Robot Teaming (CHART), ASU
Affiliate Faculty Member

Center for Law, Science & Innovation, ASU 2015 - Present
Faculty Fellow

Senior Global Futures Scholar 2021 - Present
Julie Ann Wrigley Global Institute of Sustainability and Innovation, ASU

Global Sports Scholar 2020 - Present
Global Sports Institute, ASU

Senior Sustainability Scholar 2016 - 2021
Julie Ann Wrigley Global Institute of Sustainability, ASU

ACADEMIC SERVICE POSITIONS

Member, ASU AI Advisory Committee 2026 – Present
Chair, ASU Promotion and Tenure Committee 2024 – 2026
Member, ASU Promotion and Tenure Committee 2023 – 2026
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
- 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 2006 - Present
Member of the editorial board

Journal of Responsible Innovation 2013 - Present
Member, Board of Editors

Annals of Work Exposure and Health 2017 - 2024
International Advisory Board

Annals of Occupational Hygiene 2006 - 2016
International Advisory Board

Nano Today 2006 - 2009
Member of the editorial board

Journal of Nanoparticle Research 2006 - 2012
Member of the editorial board

COMMITTEES (NON-ACADEMIC)

NSET 2004 - 2005
NIOSH representative on the Nanomaterial Science, Engineering and Technology (NSET) subcommittee of the National Science and Technology Council (NSTC).

NEHI 2004 - 2005
Co-chair of the Nanotechnology Environmental and Health Impacts (NEHI) interagency working group.

International Standards Organization 2001 - 2005
Convener of the International Standards Organization working group TC146/SC2/WG1: Size-selective aerosol sampling and analysis.

HONORS AND AWARDS

American Association for the Advancement of Science 2020
Lifetime Elected Fellow

Society of Toxicology 2015
Public Communications Award

National Institute for Occupational Safety and Health 2009
Alice Hamilton Award, Biological Sciences Category Winner (co-author)

National Institute for Occupational Safety and Health 2006
Alice Hamilton Award, Biological Sciences Category Winner (co-author)

National Institute for Occupational Safety and Health 2005
Alice Hamilton Award, Biological Sciences Honorable Mention (co-author)

National Institute for Occupational Safety and Health 2004
Alice Hamilton Award, Engineering & Physical Sciences Honorable Mention (co-author)

National Institute for Occupational Safety and Health 2003
Alice Hamilton Award, Engineering & Physical Sciences Honorable Mention (co-author)

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.

PEER REVIEW PUBLICATIONS

Google Scholar metrics: Citations: 28,408; H-index: 57; i10-index: 123. (Updated 9/30/26)

Google Scholar: https://scholar.google.com/citations?hl=en&user=b8NhWc4AAAAJ

1. Susan M. Wolf, Gillian H. Roehrig, Timothy L. Pruett, Korkut Uygun, Adam Koch, Claire Colby McVan, Evelyn Brister, Shawneequa L. Callier, Alexander M. Capron, James F. Childress, Rosario Isasi, Andrew D. Maynard, Kenneth A. Oye, Paul B. Thompson, and Terrence R. Tiersch, "Filling the Network Gap in Research Ethics: Analyzing Ethical Issues at Scale in Big Team Science," Hastings Center Report 56, no. 4 (2026): 32–43. https://doi.org/10.1002/hast.70046
2. 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)
3. 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
4. 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.
5. 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.
6. 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.
7. 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.
8. 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

9. 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.
10. 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.
11. 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.
12. Maynard, A. D. (2021). "How to Succeed as an Academic on YouTube." Frontiers in Communication **5**(130).
13. 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
14. 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.
15. 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.
16. 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.
17. Maynard, A. D. and J. Kidd (2018). "Are assumptions of consumer views impeding nano-based water treatment technologies?" Nature Nanotechnology **13**(8): 673-674.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. 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.

25. Ault, A. P., D. I. Stark, J. L. Axson, J. N. Keeney, A. D. Maynard, I. L. Bergin and M. A. Philbert (2016). "Protein corona-induced modification of silver nanoparticle aggregation in simulated gastric fluid." Environmental Science: Nano **3**(6): 1510-1520.
26. Bergin, I. L., L. A. Wilding, M. Morishita, K. Walacavage, A. P. Ault, J. L. Axson, D. I. Stark, S. A. Hashway, S. S. Capracotta, P. R. Leroueil, A. D. Maynard and M. A. Philbert (2016). "Effects of particle size and coating on toxicologic parameters, fecal elimination kinetics and tissue distribution of acutely ingested silver nanoparticles in a mouse model." Nanotoxicology **10**(3): 352-360.
27. Axson, J. L., D. I. Stark, A. L. Bondy, S. S. Capracotta, A. D. Maynard, M. A. Philbert, I. L. Bergin and A. P. Ault (2015). "Rapid Kinetics of Size and pH-Dependent Dissolution and Aggregation of Silver Nanoparticles in Simulated Gastric Fluid." Journal of Physical Chemistry C **119**(35): 20632-20641.
28. Harper, S., W. Wohlleben, M. Doa, B. Nowack, S. Clancy, R. Canady and A. Maynard (2015). "Measuring Nanomaterial Release from Carbon Nanotube Composites: Review of the State of the Science." J Phys Conf Ser **617**(1).
29. Scherer, L. D., A. Maynard, D. C. Dolinoy, A. Fagerlin and B. Zikmund-Fisher (2014). The psychology of 'regrettable substitutions': examining consumer judgments of Bisphenol A and its alternatives. Health Risk & Society **16**(7-8): 649-666.
30. Hodge, G. A., A. D. Maynard and D. M. Bowman (2014). "Nanotechnology: Rhetoric, risk and regulation." *Science and Public Policy* **41**(1): 1-14.
31. Ramachandran, G., J. Howard, A. Maynard and M. Philbert (2012). "Handling Worker and Third-Party Exposures to Nanotherapeutics During Clinical Trials." *Journal of Law Medicine & Ethics* **40**(4): 856-864.
32. Fatehi, L., S. M. Wolf, J. McCullough, R. Hall, F. Lawrenz, J. P. Kahn, C. Jones, S. A. Campbell, R. S. Dresser, A. G. Erdman, C. L. Haynes, R. A. Hoerr, L. F. Hogle, M. A. Keane, G. Khushf, N. M. P. King, E. Kokkoli, G. Marchant, A. D. Maynard, M. Philbert, G. Ramachandran, R. A. Siegel and S. Wickline (2012). "Recommendations for Nanomedicine Human Subjects Research Oversight: An Evolutionary Approach for an Emerging Field." *Journal of Law Medicine & Ethics* **40**(4): 716-750.
33. Ramachandran G, Ostraat M, Evans DE, Methner MM, O'Shaughnessy P, D'Arcy J, et al. (2011). A Strategy for Assessing Workplace Exposures to Nanomaterials. *JOEH* 8(11): 673-685.
34. Kriegel, C., J. Koehne, S. Tinkle, A. D. Maynard and R. A. Hill (2011). "Challenges of Trainees in a Multidisciplinary Research Program: Nano-Biotechnology." J. Chemical Edu. **88**(1): 53-55.
35. Maynard AD, Warheit D, Philbert MA. (2011). The New Toxicology of Sophisticated Materials: Nanotoxicology and Beyond. *Tox Sci* 120 (Suppl 1): S109-S129.
36. Shatkin JA, Abbott LC, Bradley AE, Canady RA, Guidotti T, Kulinowski KM, et al. (2010). Nano Risk Analysis: Advancing the Science for Nanomaterials Risk Management. *Risk Analysis* 30(11): 1680-1687.
37. Abbott L.C., Maynard A.D. (2010). Exposure Assessment Approaches for Engineered Nanomaterials. *Risk Analysis* 30(11): 1634-1644.
38. Aitken, R. J., P. J. A. Borm, K. Donaldson, G. Ichihara, S. Loft, F. Marano, A. D. Maynard, G. Oberdörster, H. Stamm, V. Stone, L. Tran and H. Wallin (2009). "Nanoparticles: one word: a multiplicity of different hazards." *Nanotoxicology* **3**(4): 263-264.
39. Heitbrink, W. A., D. E. Evans, B. K. Ku, A. D. Maynard, T. J. Slavin and T. M. Peters (2009). "Relationships Among Particle Number, Surface Area, and Respirable Mass Concentrations in Automotive Engine Manufacturing." *J. Occup. Environ. Hyg.* **6**(1): 19-31.
40. Maynard, A. D. (2009). "Commentary: Oversight of Engineered Nanomaterials in the Workplace." J Law Med Ethics **37**: 651–658.
41. Park, J. Y., Raynor, P. C., Maynard, A. D., Eberly, L. E. and Ramachandran, G. (2009). Comparison of two estimation methods for surface area concentration using number concentration and mass concentration of combustion-related ultrafine particles *Atm. Environ.* 43:502-509.
42. Shvedova, A. A., Kisin, E., Murray, A. R., Johnson, V. J., Gorelik, O., Arepalli, S., Hubbs, A. F., Mercer, R. R., Keohavong, P., Sussman, N., Jin, J., Yin, J., Stone, S., Chen, B. T., Deye, G., Maynard, A., Castranova, V., Baron, P. A. and Kagan, V. E. (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.

43. Pui, D. Y. H., C. Qi, N. Stanley, G. Oberdörster and A. Maynard (2008). "Recirculating Air Filtration Significantly Reduces Exposure to Airborne Nanoparticles." *Environ Health Perspect* **16**(7): 863-866.
44. Poland, C. A., Duffin, R., Kinloch, I., Maynard, A., Wallace, W. A. H., Seaton, A., Stone, V., Brown, S., MacNee, W. and Donaldson, K. (2008). Carbon nanotubes introduced into the abdominal cavity of mice show asbestos-like pathogenicity in a pilot study. Nature Nanotechnology 3:423-428.
45. Hansen, S. F., Maynard, A., Baun, A. and Tickner, J. A. (2008). Late lessons from early warnings for nanotechnology. Nature Nanotechnology 3:444-447.
46. Maynard, A. D. and Pui, D. Y. H. (2007). Nanotechnology and occupational health: New technologies – new challenges. J. Nanopart. Res. 9:1-3.
47. Maynard, A. D., Ku, B. K., Emery, M., Stolzenburg, M. and McMurry, P. H. (2007). Measuring particle size-dependent physicochemical structure in airborne single walled carbon nanotube agglomerates. J. Nanopart. Res. 9:85-92.
48. Maynard, A. D. and Aitken, R. J. (2007). Assessing exposure to airborne nanomaterials: Current abilities and future requirements. Nanotoxicology 1:26-41.
49. Maynard, A., D. (2007). Nanotechnology: The next big thing, or much ado about nothing? Ann. Occup. Hyg. 51:1-12.
50. Ku, B. K., Maynard, A. D., Baron, P. A. and Deye, G. J. (2007). Observation and measurement of anomalous responses in a differential mobility analyzer caused by ultrafine fibrous carbon aerosols. J. Electrostatics 65:542-548.
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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.

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10. Maynard, A. D. (2006). Nanotechnology: A research strategy for addressing risk. Washington DC, Woodrow Wilson International Center for Scholars, Project on Emerging Nanotechnologies.
11. 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.
12. 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.
13. 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) 2023 – 2026
1 Credit Hour (Original course, designed from scratch)
Arizona State University School for the Future of Innovation in Society

Basic Prompt Engineering with ChatGPT: Introduction (FIS 394) 2023
1 Credit Hour (Original course, designed from scratch)
Arizona State University School for the Future of Innovation in Society

Antarctica: The Frozen Continent (FIS 494/HSD 598) 2022
3 Credit Hours (Study Abroad, developed from previous material))
Arizona State University School for the Future of Innovation in Society

Antarctica: Humans and the Environment (FIS 494/HSD 598) 2022
3 Credit Hours (Developed from previous materials)
Arizona State University School for the Future of Innovation in Society

The Moviegoer's Guide to the Future (FIS 394/FIS 338) 2018 – 2026
3 Credit Hours (Original course, designed from scratch)
Arizona State University School for the Future of Innovation in Society

Intro to Western Theory & Response (HSD 591) 2019 – 2020
2 Credit Hours. Co-taught (Original content developed by N. Mayberry)
Arizona State University School for the Future of Innovation in Society

From Reanimation to Robots: Making Sense of Emerging Technologies 2019 – 2020
OLLI 4-session course (Original course, designed from scratch)
Arizona State University Osha Life Long Learning Institute

Research & Development Administration (HSD 598) 2017
3 Credit Hours. Co-taught. (Original course, designed from scratch with D Bowman)
Arizona State University School for the Future of Innovation in Society

Risk and the Future (FIS 332) 2016 – 2018
3 Credit Hours (Original course, designed from scratch)
Arizona State University School for the Future of Innovation in Society

Advanced Science and Technology Policy (HSD 502) 2015 – 2021
3 Credit Hours (Building on existing material)
Arizona State University School for the Future of Innovation in Society

Introduction to Risk Innovation (HSD 598) 2015 – 2016
3 Credit Hours (Original course, designed from scratch)
Arizona State University School for the Future of Innovation in Society

Entrepreneurial Ethics 2013 – 2015
1.5 Credit Hours (Original course, designed from scratch)
University of Michigan College of Engineering

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
Bonnie Ervine (member), ASU. Helping Hands, Hidden Systems: Frontline Workers Supporting Homeless Older Adults in Digital Environments	Current
Sean Dudley (chair), ASU. Societal Opportunities and Challenges at the Emerging Frontier of Biohybrid Robotics	2025
Rizwan Virk (member) ASU. The Metaverse and the Role of Science Fiction Narratives in Innovation Ecosystems	2025
Walter Johnson (member). ANU. The Construction and Contestation of Global Neurotechnology Governance	2025
Dania Wright (chair), ASU. Balancing Broader Impacts: A Study of the NSF's Merit Review Criteria from Individual and Institutional Perspectives	2024
Amy Pate (member) ASU. Developing Ethnorelative Worldviews in Instructional Design Teams: A Case Study	2024
Jared Byrne (chair), ASU. Contesting Entrepreneurial Imperialism: Reimagining Popular Narratives Towards Inclusive Entrepreneurialism	2024
Jeishu Wang (chair), ASU. Combinatorial Inventions in Artificial Intelligence: Empirical Evidence and Implications for Science, Technology, and Organizations	2023
Jamie Winterton (chair). ASU. Identifying Conflicting Incentives in U.S. Federal Cybersecurity Policy: A Sociotechnical Systems Approach	2023
Shivam Zaveri (member) ASU. Aligning Decisions with Mission: Using Socio-Technical Integration for Workers in Industrial Organizations	2023
Nicole Mayberry (co-chair), ASU. Shrouded Cartographies of Subordination: How Science Fiction Stories Build Anti-Black Futures	2022
Kevin Dwyer (member), ASU. Assessing the Resilience of Dams to Unexpected Events and Emerging Threats	2022
Jason Brown (chair), ASU. Thinking Like a Futurist: Investigating the Theories and Processes of Threatcasting Post-Analysis	2021
Robert Sickler (chair), ASU. The Technology Triad: Reimagining the Relationship Between Technology and Military Innovation	2021
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. More content, less learning. Invited panelist, World Economic Forum Annual Meeting of the New Champions 2026. (6/24/26)
2. Robots in Rhythm with Us. Betazone moderator, World Economic Forum Annual Meeting of the New Champions 2026. (6/23/26)
3. What Does It Mean to Be Human in an Age of AI? Invited talk, Precision Convergence Webinar Series (McGill University). Online. (6/8/26)
4. Fireside chat, Elucian Live 2026. Denver, USA (4/21/26)
5. AI and the Art of Being Human: A Futures Perspective. Invited talk at The Summit, Copenhagen Denmark. (3/20/26)
6. Does the Future Need Us? Invited dinner talk, The Symposium Club, Phoenix AZ. (3/13/26)
7. AI and the Art of being Human. Invited keynote, OEB 2025. Berlin, Germany (12/4/25)
8. Welcome to the Age of Intelligence: The Future is Here. Invited fireside chat, The Policy Circle Leadership Summit. Phoenix AZ (10/22/2025)
9. Designing our AI Futures. Invited Talk at the launch of AI Salon Lisbon. Lisbon, Portugal (10/14/2025)
10. Advancing Science: Emerging and Converging Technologies. Invited hub talk. World Economic Forum Annual Meeting of New Champions 2025 (6/26/25)
11. What does the future look like? Reimagining education in a time of unprecedented social and technological acceleration. Keynote: Yidan Prize Conference (3/26/25)

12. The Future of Being Human: Thriving in a Technologically Complex World. Invited lecture: Sagewood Institute of Lifelong Learning, Scottsdale AZ. (11/21/24)
13. Thinking Differently about the Future. Invited insights at a private function, Sedona Community Library, Sedona AZ. (11/10/24)
14. Navigating the Artificial Intelligence Technology Transition. Invited seminar: Amity University. Online. (10/11/24)
15. 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)
16. 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)
17. A New Science of Navigating Advanced Technology Transitions. Invited keynote at the 2024 IEEE International Symposium on Consumer Technology. Bali, Indonesia. (8/13/24)
18. Spirit of the Senses salon: Successfully Transitioning to the Future. Scottsdale, Arizona. (7/27/24)
19. Letting Biotech Breathe. Moderator for a public panel discussion at the World Economic Forum Annual Meeting of New Champions, Dalian China. (6/26/24)
20. 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)
21. Privacy Enhancing Technologies. Invited talk at the World Economic Forum Annual Meeting of New Champions, Dalian China. (6/26/24)
22. Think Forward: AI Learning Forum, Center on Reinventing Public Education. Invited panelist on Bridging to Broader AI Reality. (4/1/24)
23. Gartner Research Board. Invited talk and discussion on AI. (3/20/24)
24. Future Tense. Invited Talk: Has AI Changed Everything? (Mexico City). 2/27/24
25. Women Corporate Directors (Paradise Valley chapter). Invited dinner talk on artificial intelligence. (1/23/24)
26. Consortium for Science Policy Outcomes. Invited lecture: Responsible Artificial Intelligence: Policy Pathways to a Positive AI Future. (12/15/23)
27. Peoria Chamber of Commerce. Invited lecture: The Future of AI and its Impact on Business (10/18/23)
28. Institute for Advanced Food and Nutrition Science. Invited lecture: The Promise and Hype of Artificial Intelligence. (10/17/23)
29. 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)
30. 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)
31. Arizona Academic Decathlon. Technology and Humanity: Technology, Innovation, and the Economy. (9/15/23)
32. Western University. Invited lecture: Achieving Research with Impact. (4/14/23)
33. Geography 2050. Invited talk at the 2022 Geography 2050 conference: Past is Prologue: What Soylent Green Got Wrong. (11/17/22)
34. 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)
35. Global Futures Laboratory. Hosted panel discussion: The Future in 2022 (4/21/22)
36. 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)
37. American Bar Association Toxic Torts and Environmental Law conference. Invited presentation: Rethinking Risk in a COVID-Normal Future (4/8/22)
38. India Science Festival: Fireside chat on innovation and the future. Virtual (1/12/22)

39. The Matrix: Public film showing and panel discussion moderated by Andrew Maynard, at the Majestic Cinema, Tempe (12/10/21)
40. El Paso Space Festival: Nerd Night showing of Contact, with introduction and commentary by Andrew Maynard. (9/22/21)
41. 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)
42. ATP Bio invited lecture (University of Minnesota): Creating Value in a Complex World (6/29/21)
43. 2021 FRANKx Lecture, ASU: Bounded Infinities, Quantum Tunneling, and the Future of Education (3/19/21)
44. Invited presentation at ISTAS20: Living on the Edge of Tomorrow: A Moviegoer's Guide to Public Interest Technology (11/12/20)
45. Security and Sustainability Forum, moderator for panel discussion" Prove I Made a Low Carbon Choice – Can smart systems do this? (10/28/20)
46. Invited comments to the National Academies of Science, Engineering and Medicine Committee on Science, Technology, and Law (10/2/20)
47. Arizona MedTech Summit, keynote address: Living on the Edge of Tomorrow: A Moviegoer's Guide to MedTech? (8/26/20)
48. ANSI Nanotechnology Standards Panel, invited remarks on advanced materials (8/20/20)
49. ILSI NA Annual Meeting: Panel Discussion on Trust in Science (moderator) (7/23/20)
50. Phoenix Arts, Science & Culture Salon (Spirit of the Senses): Future Rising (5/21/20)
51. AZ Tech Council Med Tech Roundtable – presenter (5/19/20)
52. 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)
53. AME Digital Culture series (ASU): Future Rising: A Journey from the Past to the Edge of Tomorrow (2/27/20)
54. KEEN National Conference: Thin Different: New Tools for Creating Value in an Uncertain World (1/4/20)
55. Arizona Biosecurity Workshop: Innovative ways of thinking about risk in emerging technologies (12/5/19)
56. Phoenix Arts, Science & Culture Salon (Spirit of the Senses): Films from the Future (12/4/19)
57. Waymo: Fireside chat with Governor Doug Ducey (9/19/19)
58. Arizona STEM & Innovation Summit: Pardon my science! (9/17/19)
59. Marsh Digital: Thinking Differently About Risk (7/15/19)
60. ILSI North America: A Moviegoer's Guide to Responsible and beneficial Innovation (6/24/19)
61. Phoenix Fan Fusion: Multiple panels (5/24/19)
62. Governance of Emerging Technology and Science: Films from the Future (5/22/19)
63. CSPO 20th anniversary: Sci-Fi Snug (5/9/19)
64. Film Bar: Introduction to Planet of the Apes (4/25/19)
65. Let's Talk Self-Driving: A Fireside Conversation with Waymo's Tekedra Mawakana (4/11/19)
66. Emerge 2019: Engines of Desire (3/30/19)
67. ASU Law & Society Salon: The Future: Insights from Sci-Fi Films. 1/31/19
68. CES panel *Balancing the speed of innovation and regulation*. Las Vegas 1/9/19
69. Sparks & Honey Daily Briefing—Films from the Future and Cultural Trends. New York City, NY. 12/13/18
70. Films from the Future: What Sci-Fi Movies Can Teach Tech Companies About Socially Responsible Innovation. Tech 2025, Brooklyn NY, 12/13/18
71. Films from the Future: Can science fiction movies really teach us anything about technology innovation? NEXT Conference, San Francisco. 12/5/18

72. The Moviegoer's Guide to the Future. Alamo Draft House Cinema, Tempe AZ. 11/27/18
73. 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)
74. Humility is not a four-letter word. ASU Grad College Knowledge Impact Awards Keynote. 4/26/18
75. 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
76. Presentation to a meeting of the National Academies of Science Board of Lifesciences Annual Meeting, on risk, 11/30/17
77. Workshop leader, workshop on agile governance at the World Economic Forum Annual Meeting of the Global Future Councils, Dubai, 11/9/17
78. Workshop on Agile Governance, World Economic Forum Annual Center for the Fourth Industrial Revolution, 9/25/17
79. 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
80. 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
81. Swiss National Science Foundation: Invited keynote on the culmination of the NRP 64 program on Opportunities and Risks of Nanotechnology. 6/2/17
82. Planetary Protection: Assessing the Risks. A Community Conversation. Plenary at the 2017 Astrobiology Science Conference 4/24/17
83. Risk Communication & Talking to the Public About Chemicals. Panel at GlobalChem 2017, 2/24/17
84. 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
85. Innovating for Social and Economic Success. NEWT Science Seminar, 11/28/16
86. The Future of Zika. Event hosted by the School for the Future of Innovation in Society, 11/9/16
87. American Industrial Hygiene Association Fall Conference. Risk Innovation and the Workplace of the Future. 10/25/16
88. Responsible Industry workshop, Berlin: Responsible Research and Innovation: A US Perspective. 6/22/16
89. Future Tense: Engineering Away Disease (panel discussion). 2/23/16
90. AAAS 2016 Annual Meeting. Moderating panel on Public Engagement and Risk Communication: Case Study of Synthetic Biology. 2/11/16
91. 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
92. NanOEH conference, South Africa. Plenary Presentation "Responsible Innovation and Nanotechnology". 10/18/15
93. Notre Dame University. Invited lecture "Is responsible nanotechnology doomed to failure?" 10/27/14
94. Royal Society of London meeting on bio-nano interactions: new tools, insights and impacts. Invited lecture: "Innovative approaches to emergent risks". 5/1/14
95. National Academy of Sciences Forum on Synthetic Biology invited presentation: "Innovative approaches to emergent risks" 3/13/14
96. World Economic Forum Annual Meeting of the New Champions, Dalian China. Panelist "Building the 21st century regulatory system" 9/12/13
97. Argentinean Foundation of Nanotechnology. "Thinking critically and imaginatively about the challenges of sophisticated materials" 10/30/12
98. 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

99. Harvard University. "The new science of sophisticated materials: Nanomaterials and beyond" 4/13/12
100. Swiss National Science Foundation. "The new science of sophisticated materials: Nanomaterials and beyond" 3/3/11
101. World Economic Forum Annual Meeting, Davos. Challenge to the panel. "The science agenda in 2011" 1/26/11
102. Cincinnati Contemporary Arts Center. "Small Gods… and the art of technology innovation" 12/11/10
103. University of Cambridge Center for Research in the Arts, Social Sciences and Humanities (CRAASH). 6/1/10 "Governing emerging technologies under conditions of uncertainty"
104. Johnson & Johnson. "Effective evidence-based communication strategies. Lessons from nanotechnology" 5/19/10
105. Wisconsin Assembly Committee on Public Health. "Nanotechnology. Opportunities and challenges." 10/6/09
106. Brookings Institution. "Controlling wayward science: Dangers of unanticipated consequences." 6/19/09
107. Transatlantic Consumer Dialogue. "Nanomaterials and consumer products. A perspective from the US." 6/10/08
108. International Joint Commission. "Nanotechnology in perspective. New technologies, new challenges?" 3/30/09
109. Oxford University. "Rethinking science and technology innovation for the 21st century: A nanoscale perspective." 3/12/09
110. Royal Society. Briefing on Synthetic Biology 10/17/08
111. European Aerosol Conference. "Developing Responsible Nanotechnologies. An Aerosol Perspective." 8/28/08
112. Gothenburg University, Gothenburg, Sweden. "Managing the Small Stuff. Ensuring the success of safe nanotechnologies." 5/13/08
113. Swedish Academies of Science. "Smart Science. Challenges and opportunities in the race to develop safe nanotechnologies." 5/12/08
114. New York Academy of Sciences. "Nanotechnology. Science, society and policy." 5/14/07
115. Nanoscience Centre, University of Cambridge, UK. "Nanotechnology and potential risk. Challenges to measuring exposure to engineered nanomaterials." 05/05/07
116. Johns Hopkins University. "The science of nanotechnology and public health" 4/10/07
117. Health Effects Institute annual conference. "Nanoparticles from manufacturing." 4/16/07
118. CalEPA. "Nanotechnology. Maximizing the benefits. Minimizing the risks." 3/8/07
119. Senior Management at the Hong Kong Department of Labor. "Nanotechnology benefits and challenges." 2/8/07
120. Rabobank North American Agribusiness Advisory Board. "Nanotechnology. Why should you care?" 1/30/07
121. University of Virginia. Invited comments on the Opening ceremony for Wilsdorf Hall. 11/10/06
122. NATO ARW, Bulgaria. "Nanotechnology: Overview and issues." 8/13/06
123. The Conference Board. "Nanotechnology. An introduction to the technology, and its EH&S implications." 06/08/06
124. Warner Lecture, British Occupational Hygiene Society. "Nanotechnology: The next big thing, or much ado about nothing?" 04/25/06
125. 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
126. Institute of Occupational Safety and Health (IOSH), Taiwan. "Working at the Nanoscale. Nanotechnology and Potential Occupational Health Risk" 01/05/06
127. Academia Sinica, Taiwan. "Nanotechnology: Environment, Safety and Health." 01/04/06

128. Asia Nanotechnology Forum. "Assessing the environmental safety and human health risk of emerging nanotechnologies" 12/9/05
129. Australian Institute for Occupational Hygiene. "Engineered Nanomaterials and Occupational Health" 12/4/05
130. Society Of Toxicology. "Engineered Nanomaterials and Occupational Health" 11/2/05
131. NASA. "Nanotechnology: Overview and relevance to Occupational Health" 10/21/05
132. National Academies of Science, Chemical Sciences Round Table. "Nanotechnology: Opportunities and Challenges in a Changing World." 09/21/05
133. American Industrial Hygiene Association "Nanotechnology: Overview and Relevance to Occupational Health. 09/14/05
134. EPA. "Nanotechnology and Occupational Health." 6/13/05
135. Korean Society of Toxicology. "Nanotechnology and occupational health – addressing potential health risks." 5/13/05
136. American Association for the Advancement of Science. "Nanoaerosol exposure. Generating and characterizing airborne nanoparticles." 2/20/05
137. American Chemistry Council. Nanotechnology and Occupational Health. "Ensuring a safe and healthful workforce in a changing environment." 10/24/04
138. NIOSH Board of Scientific Councilors. "The NIOSH Nanotechnology Initiative. Ensuring a safe and healthful workforce in a changing environment." 10/21/04
139. California Department of Health Services". Perspectives on a 'small' problem. Nanotechnology and Occupational Health." 3/25/04
140. Scandinavian Electron Microscopy Conference. "From Nuisance dusts to Nanoparticles. The Role of Electron Microscopy in Occupational and Environmental Health." 6/13/03
141. 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: Nanotoxocology: Biomedical Aspects
Miami (2005). Organizing committee

Developing Experimental Approaches for Evaluation of Toxicological Interactions of Nanoscale Materials
Gainsville 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

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ONLINE CONTENT (SELECTED)

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

Regular articles on technology, society, and the future of being human. Launched April 2023 (current). Over 5,000 subscribers, 150 articles, and 700,000 views (8/4/26)

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 (current). Over 27,000 subscribers, 5.5 million views, 187,000 hours watched (8/4/26)

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

A conversational podcast co-hosted with Sean Leahy and focused on the intersection of advanced technologies, society, and the future. Launched October 2024 (current).

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 (archived).

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 (archived).

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

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

Many. Please see https://andrewmaynard.net/in-the-media/ for an up-to-date list.

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.