



GETS

Governance of Emerging Technologies and Science

12th Annual Conference

May 19 - 20

8 a.m. - 6 p.m.

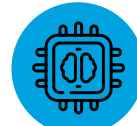
Beus Center for Law and Society

+ Reimagining Legal Education

ASU Sandra Day O'Connor
College of Law

Arizona State University

Center for Law, Science and Innovation



Welcome

This **unique and innovative conference**, now in its 12th year, addresses the ethical, legal, regulatory, and policy issues that surround the emergence of new technologies and scientific advances.

The GETS conference is premised on the belief that there is much to be learned and shared from and across the governance experience and proposals for various rapidly emerging new technologies. It is a truly interdisciplinary conference of scientists, lawyers, regulators, philosophers, ethicists and more.



Drawing on the combined expertise of leaders in academia, industry, and government, this conference focuses on finding governance solutions for rapidly changing technologies. In recent years, these discussions have covered the broadest possible range of technologies and scientific study, including nanotechnology, artificial intelligence, robotics, autonomous vehicles, the internet of things, human-machine interfaces, neuroscience, synthetic biology, genomics, personalized medicine, telemedicine, human enhancement, gene editing, surveillance, national security, virtual and augmented reality, blockchain, autonomous weapon systems and so on.

The value we have uncovered in combining such a variety of subjects is that governance strategies and lessons learned in one field can often be applied to others in ways that generate new breakthroughs. This conference has thus become a go-to event for forward-looking policy makers, technologists and business leaders who are at the forefront of a changing world.

Thank you
to our 2025 sponsor

KPMG
Law

2025 GETS

Past conference topics include:



Artificial intelligence



Personalized medicine



Autonomous vehicles



Synthetic biology



National security



Internet of Things (IoT)



Virtual/augmented reality



Quantum computing



Autonomous weapon systems



Surveillance technologies



Neuroscience



3D printing



Blockchain



Robotics



Telemedicine



Agenda

8–8:30 a.m.

Breakfast

W. P. Carey Foundation Armstrong Great Hall, 2nd floor

8:30–8:45 a.m.

Welcome and Logistics

W. P. Carey Foundation Armstrong Great Hall

Gary Marchant, Center for Law, Science and Innovation,
Sandra Day O'Connor College of Law, Arizona State University

Angela Banks, Sandra Day O'Connor College of Law, Arizona State University

8:45–10:15 a.m.

Plenary Session 1: The Future of the Professions in the Technology Era

W. P. Carey Foundation Armstrong Great Hall

Moderator:

Lucille M Tournas

Center for Industry Self-Regulation / Institute of Neuroethics (IoNx) / Sandra Day O'Connor
School of Law Anthony Barrett, Global Catastrophic Risk Institute

Panelists:

- **Brad Allenby**
Fulton School of Engineering, Arizona State University
- **Anthony M. Avellino**
HonorHealth Medical Group, Specialty Care / Arizona State
University School of Medicine and Advanced Medical Engineering
- **Michael Clubine**
KPMG Law
- **Cyndi Coon**
Threatcasting AI / Threatcasting Lab Arizona State University
- **Tracy Pearl**
University of Oklahoma College of Law
- **Howard Smith**
Center for Industry Self-Regulation / BBB National Program

10:15–10:45 a.m.

Break

10:45 a.m.–12:15 p.m.

Concurrent Session 1.1: Government and A.I.

Room 150

- **Fight Fire with Fire: Why Guardrails are Needed to Protect Humans from the Embedded Risks of A.I.**
Michael McCarthy, Utica University



Day 1 | May 19

Larry Bridgesmith, Sandra Day O'Connor School of Law, Vanderbilt Law School,
Guardrail Technologies, Inc.

- **Complex Governance Networks in Regulatory Rulemaking Proceedings**
Josh Abbot, Sandra Day O'Connor College of Law
- **How A.I. can Make Government More Efficient and Responsive**
Gary Myers, University of Missouri School of Law
- **Governing A.I.**
Brad Allenby, Fulton School of Engineering, Arizona State

Concurrent Session 1.2

Space: The Next Frontier of Technology Governance

Room 240

- **Ethical Frontiers and Legal Landscapes: The Governance of Geoengineering on the Moon, Mars and Other Celestial Bodies**
Dov Greenbaum, Reichman University, Yale University
- **Governance of Sentient A.I. in Space: Preparing for the Ultimate Companion**
Alires J. Almon, School for the Future of Innovation in Society, Arizona State University
Caitlin Roe, School for the Future of Innovation in Society, Arizona State University
- **Beyond Ownership: Designing Equitable Space Governance through Use-Based Rights and the Space Resources Fund**
Timiebi Aganaba, School for the Future of Innovation in Society, Arizona State University
Ben McKeown, Centre for Space Engineering Research, University of New South Wales
Michael Albertus, Department of Political Science, University of Chicago
- **Security in the New Global Commons: Scenario Building for the Space Domain**
Caitlin Roe, School for the Future of Innovation in Society, Arizona State University
Alires J. Almon, School for the Future of Innovation in Society, Arizona State University
Timiebi Aganaba, School for the Future of Innovation in Society, Arizona State University

Concurrent Session 1.3

Space: The Next Frontier of Technology Governance

Room 240

- **An Objection to the Emerging Norm of Surrendering to Drones**
MinJae R. Kim, BYU Law
- **More Than Robots – Humanoid Robots Between Governance, Human Rights and Ethics**
Lucas Cardell
- **Judgement Call: A Comparative Study of Systematic Technology Assessments**
Gerry Kanter, Carleton University
- **Evaluating Ethical Performance of Autonomous Weapon Systems**
Ronald Arkin, Georgia Tech



Concurrent Session 1.4 Sustainability and Technology

Room 442

- **Extracting Sustainability: Digitalization, Data Governance, and the Extractivist Logics of the European Green Deal**
Gabriele Wadlig, TU Dresden
Sigrid Boysen, HSU Hamburg
- **Implementing a Carbon Storage Mandate: U.S Legal Frameworks and Strategies**
Asha Ramaswamy, Barrett, the Honors College, Arizona State University
Stéphanie Arcusa, School of Complex Adaptive Systems, Arizona State University
- **Reimagining the ESA: Elevating Tribal Sovereignty in Species Recovery**
Meredith Grady, Arizona State University
- **A.I. Meets Conservation: Inductive Coding of Knowledge for Species Recovery**
Christopher Barton, Center for Biodiversity Outcomes, School of Life Sciences, Arizona State University

Concurrent Session 1.5

Governance of Smart Data

Room 450

- **Transforming Urban Landscapes: The Roles of A.I. in Smart Cities and Smart Places**
Mark Goldstein, International Research Center
- **Governance as a Barrier to Public Health Data Modernization; The Case for Ethics Driven Legal Reform**
Fallon Cochlin, Texas A&M University School of Public Health
- **Smart Solutions, Tough Choices: Efficiency vs. Privacy in the Age of Smart Cities**
Miss Carson Lloyd, Birmingham City University Centre for American Legal Studies
- **Guardians of Genomic and Biometric Data: Governing Innovation, Privacy and Equity in a Fragmented World**
Dov Greenbaum, Reichman University, Yale University

12:15–1 p.m.

Lunch

W.P. Carey Armstrong Great Hall, 2nd floor

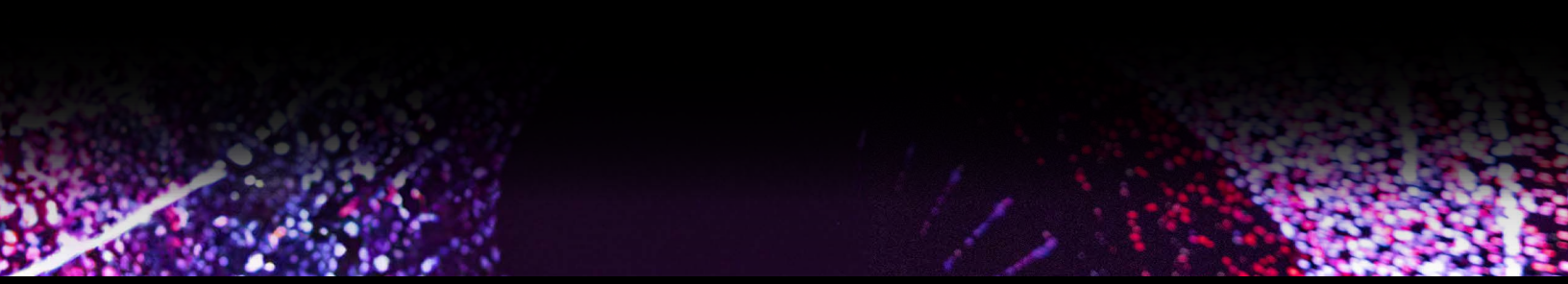
1–2:30 p.m.

Concurrent Session 2.1 Digital Technology and Social Media

Room 150

- **Algorithms as Speech, Section 230, and the Age of A.I.**
Jennifer Huddleston, Cato Institute
- **Digital Technologies, A.I., and Supernormal Stimuli**
Leslie Paul Thiele, Department of Political Science, University of Florida



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- **Deflating the Buzz of Transparency; Voluntary vs Mandatory Content Moderation Transparency**
Sharon Bassan, Brandeis Institute for Society, Economy and Democracy
 - **Governing Political Bias in Large Language Models: Legal and Policy Implications of the Next Frontier in A.I.**
James Ostrowski, Abundance Institute, University of Washington School of Law

Concurrent Session 2.2

Blockchain and Beyond

Room 240

- **Jurisdiction and Choice of Law in Disputes**
Tolulope Falokun, University of Detroit Mercy School of Law
- **Regulating Retirement Savings Roulette**
Lauren Valastro, Texas Tech University School of Law
- **Immigration Marketplace, Global Citizenship, and Universal Identity in the Web3 Era**
Jay Carpenter, Star15
- **Healthcare and Blockchain**
Gary Marchant, Center for Law, Science and Innovation, Sandra Day O'Connor College of Law

Concurrent Session 2.3

Health Technology

Room 250

- **Unrealistic Participant Expectations in Translational Research**
Amrit Sandhu, Mayo Clinic
Joel Pacyna, Mayo Clinic
Richard Sharp, Mayo Clinic
 - **The End of One-Size-Fits-All Health Advice**
Richard Willaims, Center for Truth in Science
 - **Physician Perspectives on A.I. Supported Clinical Documentation**
Richard Sharp, Mayo Clinic
Austin Stroud, Mayo Clinic
Michele D. Anzabi, Mayo Clinic
Hugo Botha, Mayo Clinic
 - **Beyond CRISPR: A Multi-tiered Framework for Heritable Human Genome Editing Governance Post-He Jiankui**
Yizhe Wang, Georgia Institute of Technology
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Concurrent Session 2.4 IP and Innovation

Room 442

- **Strategic Overview of Protecting Quantum Computing with Intellectual Property**
Tyson Winarski, Sandra Day O'Connor College of Law
- **Innovation in Emerging Technologies: Implications for A.I. Governance**
Johannes Bauer, Quello Center, Michigan State University
- **A.I.-Assisted Inventions: Upgrading Your Patent Program for the A.I. Age**
Jim Ko, Ko IP & AI Law PLLC
- **The Secret Life of Copyright: Inequality and Intellectual Property in the Age of A.I.**
John Tehranian, Southwestern Law School

Concurrent Session 2.5 A.I. and Smart Technology

Room 450

- **The Role of International Bodies in Shaping A.I. Regulation in Legal Practice**
Vrinda Gupta, Sandra Day O'Connor College of Law
- **Responsible A.I. Agency**
Deven Desai, Georgia Institute of Technology, Scheller College of Business
Mark Riedl, Georgia Institute of Technology
- **DeepSeek and the Future of Artificial Intelligence**
Robert Copple, Copple & Associates
- **Smart Fertilizer System for Farms Powered by the Cloud**
Tyson Winarski, Sandra Day O'Connor College of Law

2:30–3 p.m.

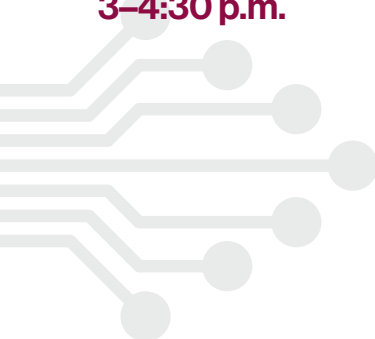
Break

3–4:30 p.m.

Concurrent Session 3.1 Life Sciences

Room 150

- **Biodiversity, Bioeconomy, and Biotechnology: Innovation Across Policy and Indigenous Data Sovereignty for Genome Equity**
Krystal Tsosie, Arizona State University
Beckett Sterner, Arizona State University



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- **Adherence to the Responsible Innovation Framework Could Enhance Acceptance of Africa's Gene-Edited Crops**
Emma Davies, Genetic Engineering and Society Center, North Carolina State
 - **Evaluating Environmental Risk Governance and Assessment for Genetically Engineered Crops in Select Case Studies**
Nicholas Loschin, North Carolina State University
Khara Griegner, North Carolina State University
 - **Effects of Poor Health in World's Wealthiest Countries**
Natasha Vita-More, Geneva College of Longevity Science

Concurrent Session 3.2

A.I. Governance

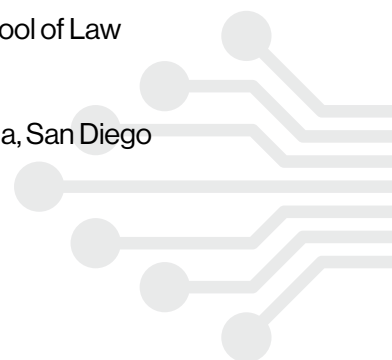
Room 240

- **"Realizing the Benefits While Mitigating the Risks": The Emergence of the AI Safety Governance Paradigm**
Conor McGlynn, Harvard University
- **Call to Action: Refocusing European Regulation to Address Rapid Social Changes**
Elena Gilotta, Unblu
Stefano Chiavegati, Gauss ML GmbH
- **Artificial Intelligence Governance: How Voluntary Industry Organizations and Technical Standards Can Meet the Challenge**
Emile Loza de Siles, William S. Richardson School of Law, University of Hawaii

Concurrent Session 3.3

Surveillance and Data

Room 250

- **Enforcing Data Agency: Bridging the Gap Between Legal Frameworks and Technological Reality**
Tripp Lake, Dickinson Wright, PLLC, Synovient, Inc.
 - **The Importance of Social Theory in Regulating Technology for the Benefit of Humanity**
Jennifer Brobst, University of Memphis Cecil C. Humphreys School of Law
 - **School-Based Online Surveillance of Youth: An Analysis of Surveillance Company Websites**
Alison O'Daffer, Department of Psychiatry, University of California, San Diego
 - **Predictive Protest Policing**
Christian Sundquist, University of Pittsburgh, School of Law
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Concurrent Session 3.4 Liability and Litigation

Room 442

- **Defining A.I. as a Product**
Brooke Norton, Sandra Day O'Connor College of Law
- **The Tort Law We Need**
Benjamin Sundholm, St. John's Law School
- **May It Please the Court: Evidentiary Requirements in the Digital Age**
AJ Gilman, Hull, Holliday & Holliday
- **Automating Privilege Review in Complex Litigation: Scaling the Vioxx Model of Privilege Review with Deep Learning**
Trent Kannegieter, Yale Law School

4:35–6:05 p.m.

Plenary Session 1: The Future of the Professions in the Technology Era

W. P. Carey Foundation Armstrong Great Hall

Moderator:

Oluyinka Oyeniji

Center for Computing and Social Responsibility, De Montfort University

Panelists:

- **Lindsay Smith**
Arizona State University, Future of Innovation in Society
- **Nalina Chhetri**
Arizona State University, Future of Innovation in Society
- **Tarek Nakkach**
Kyndryl
- **Dom Papa**
Digital Workforce Readiness / N50 Project



6:05–8 p.m.

Reception and Student Poster Session

Room 544

Reception sponsored by KPMG Law



Agenda

8:30–9 a.m.

Breakfast

W. P. Carey Foundation Armstrong Great Hall, 2nd floor

9–10:30 a.m.

Plenary Session 3: The Unidentified Anomalous Phenomena Controversy

W. P. Carey Foundation Armstrong Great Hall

Moderator:

Jim Hennessy

Panelists:

- **Lynne D. Kitei**
Health Education Learning Programs / Phoenix Lights Network / Society for Scientific Exploration
- **Avi Loeb**
Institute for Theory & Computation / Galileo Project / Harvard University
- **Alexandro Rojas**
UAP Discovery / Enigma Labs

10:30–11a.m.

Break

11a.m.–12:30p.m.

Concurrent Session 4.1: Transportation and Energy

Room 150

- **Entering the Autonomous Age**
Helen A. F. Gould, Intel Retired, Tech Strategizers LLC
- **The Netherlands - Regional Governance of Green Hydrogen as an Emerging Technology**
Beata Kviatek, Centre of Expertise Energy, Hanze University of Applied Sciences, Groningen
- **Promoting Agro-Voltaics Technologies in Israel: Why Regulators are Lagging Behind the Technology?**
Evyatar Dotan, Social Sciences, The Hebrew University of Jerusalem
- **Use Of Industry Consensus Standards as A Soft Law Mechanism to Safely Deploy Automated Driving Systems**
Helen A. F. Gould, Intel Retired, Tech Strategizers LLC
Jeff Gurney, Nelson Mullins Riley & Scarborough, LLP

Concurrent Session 4.2

Law and A.I.

Room 240

- **Introducing QuizBot: An Innovative AI-Assisted Assessment in Legal Education**
Sean A. Harrington, Technology Innovation University of Oklahoma College of Law



Day 2 | May 20

- **Stochastic AI Systems in Criminal Justice: A Due Process Challenge**
Trent Kannegieter, Yale Law School
- **Fighting the Hypothetical: Why Law Firms Should Rethink the Billable Hour in the Generative A.I. Era**
Joseph Tiano, Legal Decoder, Inc., Sandra Day O'Connor College of Law
Nancy Rapoport, UNLV, Boyd Law School
- **The Restrictive Covenant**
Amir Dezfuli, Cedars-Sinai Medical Center

Concurrent Session 4.3 Risk, Public and Technology

Room 250

- **Can Artificial Intelligence Strengthen Environmental Accountability and Combat Greenwashing in the Private Sector within the European Union's Green Claims Directive?**
Byron Sequeira, George Washington University Law School
- **Risk, Uncertainty, and Ambiguity in Technology Regulation: An Agenda Setting Approach**
Jonathan Lewallen, Political Science and International Studies University of Tampa
- **Consciousness as the Foundation of Legal Agency in AGI**
Richard Taylor, Telecommunications Studies and Law Emeritus Penn State University
- **Regulating and Mitigating Scientific and Technological Risk**
John Golden, University of Texas at Austin School of Law

Concurrent Session 4.4 Public Engagement

Room 442

- **Utilizing Empirical Ethics to Conceptualize Religion-Based Vaccine Hesitancy in the United States**
Rachel Gur-Arie, Edson College of Nursing and Health Innovation Arizona State University
- **Piloting a Public Values Statement for Artificial Intelligence and Advanced Manufacturing Research**
John Nelson, Jimmy and Rosalynn Carter School of Public Policy, Georgia Institute of Technology
- **SciOPS: Advancing Science Expert Insights for Policy and Public Engagement**
Eric Welch, Arizona State University Center for Science, Technology and Environmental Policy Studies, School of Public Affairs
Lesley Michalegko, Center for Science, Technology and Environmental Policy Studies School of Public Affairs Arizona State University
- **Generative A.I. and Protest: A New Paradigm in Digital Resistance**
Susan Tanner, UofL Brandeis School of Law



12:30–1 p.m.

Lunch

W. P. Carey Foundation Armstrong Great Hall, 2nd floor

8:45–10:15 a.m.

Plenary Session 4: A.I. Agents: Promise and Governance

W. P. Carey Foundation Armstrong Great Hall

Moderator:

Gary Marchant

Center for Law, Science & Innovation, Sandra Day O'Connor College of Law

Panelists:

- **Carlos Gutierrez**
Google (UK)
- **Whitney Stefko Dover**
Ford Motor Company / Sandra Day O'Connor College of Law





Thank you for attending!



Gary Marchant

Regent's Professor and Faculty Director,
Center for Law, Science and Innovation



**Scan to
visit the
conference
website**



