![ASU] **Sandra Day O'Connor College of Law**
Arizona State University

Center for Law, Science and Innovation

11th Annual Governance of Emerging Technologies and Science Conference

May 16-17, 2024

Beus Center for Law and Society, Arizona State University | Phoenix, Arizona

Join us for:

Thursday, May 16

GETS Reception and Student Poster Session

Beus Center for Law and Society, Room 544

Friday, May 17

GETS' Together and Conference Closing

Beus Center for Law and Society, Room 544

Day 1: Thursday, May 16, 2024

8-8:30 a.m   **Breakfast**
(W. P. Carey Armstrong Foundation Great Hall)

8:30-8:45 a.m.   **Welcome and Logistics**

Gary Marchant, Regents Professor
Sandra Day O'Connor College of Law, Arizona State University

8:45-10:15 a.m.   **Plenary Session 1: Quantum Governance**

(W. P. Carey Armstrong Foundation Great Hall)

Moderator: **Diana Bowman, Sandra Day O'Connor College of Law,** Arizona State University

Panelists: **Susanne Lloyd-Jones,** UNSW Allens Hub for Technology, Law & Innovation

        Kaniah Konkoly-Thege, Quantinuum

        Jeffery Atik, Loyola Law School (LA)

        Torey Battelle, Quantum Collaborative, Arizona State University

        Aubrey Davis, U.S Air Force Academy

10:15-10:45 a.m.   **Coffee break**
(W. P. Carey Armstrong Foundation Great Hall)

10:45 a.m.-12:15 p.m.   **Concurrent Session #1**

Concurrent Session 1.1: Law and AI (Room 150)

Justin (Gus) Hurwitz, International Center for Law and Economics; *Pigou's Plumber or Regulation as a Discovery Process*

Kenneth Anderson, Washington College of Law, American University; *Emerging Regulation of Emerging Technologies Such as AI, In an Era of Challenges to the Chevron Doctrine*

Amir Dezfuli, Sierra Club; *Standing In*

Alexander Gilman, Gilman Law Offices; *The Real (Estate) Impacts of AI: The Uses and Risks of AI in Real Property Practice*

Concurrent Session 1.2: Democracy and Emerging Technology (Room 240)

Simren Flora, Google; *AI Impact on Innovation in Tech*

Sharon Bassan, Drexel University, University of Milan; *Algorithmic Personalization Features and Democratic Values*

Julian Dreiman, Accenture Labs; *Geoengineering and Playing God: Three Strategies for Governing Geoengineering Technology*

Primrose Dzenga, College of Global Futures, Arizona State University; *The New Space Race and Anticipatory Governance: Who Has Jurisdiction Over Companies Registered in Space*

Concurrent Session 1.3: Health Technologies (Room 250)

Rachel Gur-Arie, Edson College of Nursing and Health Innovation, Arizona State University; *Characterizing Healthcare Provider Experiences with Implementing Genomic Medicine in a Federally Qualified Health Center*

Sara Golru, HWL Ebsworth Lawyers, Sydney Law School; *Judging the Genome: The Emerging Role of Genetic Evidence in Civil Litigation*

Susan Curtis, Mayo Clinic; *Listening to Nurses on use of Digital Technologies to Monitor and Track Burnout*

Joel E Pacyna and **Richard Sharp,** Mayo Clinic; *Patient Perspectives on Ubiquitous Voice Analysis in Healthcare*

Concurrent Session 1.4: AI Governance (Room 442)

Cari Miller, Center for Inclusive Change, AI Procurement Lab; *Don't Let the Bad Stuff In: Using Procurement as a Governance Tool*

Gary Myers, University of Missouri; *Regulating AI-Market and Regulatory Approaches*

Toby Shulruff, School for the Future of Innovation in Society, Arizona State University; *AI and Human Labor in Content Moderation and Trust & Safety*

Michael P Goodyear, NYU School of Law; *Infringing Information Architectures*

Concurrent Session 1.5: Identity and Privacy (Room 450)

Yafit Lev-Artz, Baruch College, City University of NY; *Privacy Notice and The Blame Game*

Brooke Norton, Sandra Day O'Connor College of Law, Arizona State University; *Navigating the Legal Framework: Implementing a Government-Backed Digital Identity in the United States*

Jay Stanley, American Civil Liberties Union; *Digital Identity's Constitutional Moment and Constraining the Coming Explosion in Police Use of Drones*

Jay Carpenter, Desert Blockchain LLC; *Decentralized Dispute Resolution and Web3*

12:15-1 p.m.   **Lunch**
                          (W. P. Carey Armstrong Foundation Great Hall)

1-2:30 p.m.   **Plenary Session 2:**

AI and the Life Sciences: Evaluating Opportunities and Risks

 (W. P. Carey Armstrong Foundation Great Hall)

Moderator: **Gary Marchant,** Arizona State University

Panelists: **Sarah R. Carter,** Science Policy Consulting LLC

              Claudia I. Emerson, McMaster University

              Vikram Venkatram, Georgetown Center for Security and Emerging Technology (CSET)

              George Poste, ASU Complex Adaptive Systems Initiative

2:30-2:50 p.m.   **Coffee break**
                            (W. P. Carey Armstrong Foundation Great Hall)

2:50-4:20 p.m.   **Concurrent Session #2**

Concurrent Session 2.1: Quantum, AI, Security (Room 150)

Susanne Lloyd-Jones and **Kayleen Manwaring,** University of New South Wales; *Towards Quantum Resilience in an Unsecure World*

Sarah Wilson, University of Technology Sydney; *Looking for the Laws of Quantum Mechanics in the Law: Legal & Regulatory Responses to Quantum Dots*

Moritz Von Knebel, FAR AI; *Referent Objects and Securitizing Actors – Will Nationalizing AI Development Make Us Safer? Evidence from the US, the UK and China*

Concurrent Session 2.2: Innovation and AI (Room 240)

Paul Coble, Rose Law Group; *Copyright in the Age of Generative AI*

Gad Weiss, Columbia Law School; *A Theory of Seed Financing*

Tyson Winarski, Sandra Day O'Connor College of Law, Arizona State University; *Tsunami of Blockchain Patents*

Amanda Levendowski, Georgetown Law; *Fairer Use*

Concurrent Session 2.3: AI Governance II (Room 250)

Emily LaRosa, Michigan State University; *Creating Justifiable Systems: A Call for Iterative Regulation of Artificial Intelligence*

Brad Allenby, School of Sustainable Engineering and the Built Environment, Arizona State University; *Managing AI*

Jasmine Held-Hernandez, Sandra Day O'Connor College of Law, Arizona State University; *The United States' and International Standard's AV Governance Landscape, Gaps, and Recommendations*

Ryan Johnson, Savvas Learning Company LLC; *AI Policy and Governance Establishing Compliance Frameworks within Corporate and Educational Institutions*

Concurrent Session 2.4: AI and Ethics (Room 442)

Qin (Sky) Ma, NYU School of Law; *Digital Transformation in the Judiciary: Unveiling Challenges and Solutions Through Infrastructure Thinking and Systems Theory*

Robert Copple, Copple and Associates; *Artificial Intelligence, Ethics and the Legal Regulators*

Hayden Myers, Arizona Assistant Attorney General; *The Intersection of Natural Law and AI in American Jurisprudence*

Joseph Tiano, Legal Decoder; *AI and Legal Ethics*

Concurrent Session 2.5: Genomics (Room 450)

Peter Munyi, University of KwaZulu-Natal; *Complementarity in providing for enabling regimes for sequencing human and pathogen genomes in Africa*

Amanda Courtright-Lim, Mayo Clinic; *Assessing Ethical Implication and Access Barriers in Gene Editing Therapeutics*

Khara Grieger, North Carolina State University; *Opportunities for Bi-Directional Learning Across Two Emerging Technologies: A Comparative Analysis of Gene Drives and Solar Geoengineering*

Nertila Kuraj, University of Oslo/UC Berkeley Law; *Biotechnology Laws Fifty Years Later*

Concurrent Session 2.6: Genetics and Social Traits (Room 243)

Karen Meagher and **Sara Watson**, Mayo Clinic, and **Shawneequa Callier**, George Washington University; *Anticipatory Governance and Sociogenomics Ethical Legal and Social Implications of Polygenic Scores*

4:30-6 p.m.	Plenary Session 3:

Using Soft Law for Technology Governance: Opportunities and Risks

(W. P. Carey Armstrong Foundation Great Hall)

Moderator: **Justin A. Connor,** BBB National Programs

Panelists: **Adam Thierer,** R Street Institute

Chris Meserole, Frontier Model Forum

Lucille Nalbach Tournas, ASU School of Life Sciences

Trooper Sanders, Benefits Data Trust

Gary Marchant, Arizona State University

6-8 p.m.	GETS Reception and Student Poster Session (Room 544)

Day 2: Friday, May 17, 2024

7:45-8:20 a.m	Breakfast (W. P. Carey Armstrong Foundation Great Hall)

8:20-8:30 a.m.	Welcome Remarks from Stacy Leeds

Stacy Leeds, Willard H. Pedrick Dean
Sandra Day O'Connor College of Law, Arizona State University

8:30-10 a.m.   Plenary Session 4:

Big Data and Armed Conflict

(W. P. Carey Armstrong Foundation Great Hall)

Moderator: **Laura Dickinson,** George Washington University Law School

Panelists: **Gary Corn,** American University

         Galit Sarfaty, University of Toronto

         Asaf Lubin, Indiana University Bloomington

         Brad Allenby, Arizona State University

10-10:30 a.m.   Coffee break
(W. P. Carey Armstrong Foundation Great Hall)

10:30 a.m.-12 p.m.   Concurrent Session #3

Concurrent Session 3.1: Generative AI (Room 150)

Nizan Geslevich Packin, City University of New York; *Regulating Technologies that Scare Us: Blocking Generative AI*

Ali Ekber Cinar, McGill University; *The Language of the Law vs. the Language of the Computer*

Ashraful Goni, Texas Tech University; *Ethical Challenges of Using Generative AI for Diasporic Media: A Case Study on the Bangladeshi Ethnic Media in the New York City*

Kedhar Sankararaman, Sandra Day O'Connor College of Law, Arizona State University; *Informing the FDA's SaMD Approval Process through Three Case Studies: Canada, the United Kingdom, and the European Union*

Concurrent Session 3.2: Autonomous Vehicles (Room 240)

Jasmine Held-Hernandez, Sandra Day O'Connor College of Law, Arizona State University; *The United States' and International Standard's AV Governance Landscape, Gaps, and Recommendations*

Soumita Mukherjee, Pennsylvania State University; *Ethics of Human-in-the-Loop: Examination of Vulnerability in Case of Human Drivers in Autonomous Vehicles*

Tracy Hresko Pearl, University of Oklahoma; *Cooperative Control: Autonomous Vehicles, Safety, and Soft Law Regulatory Regime*

Concurrent Session 3.3: Regulating Health Technology (Room 250)

Dusko Milojevic, KU Leuven; *Legal Challenges in the Internet of Medical Things (IoMT) in the EU*

Max Mashal, Sandra Day O'Connor College of Law, Arizona State University; *Updating US Medical Code to Address AI Integration Into the Healthcare Industry*

Richard Williams, Center for Truth in Science; *Twenty First Century Revolution in Food Production and Consumption*

Patricia Velarde Burnett, Weiss Brown, and **Gary Marchant,** Arizona State University; *Blockchain & Healthcare: The Second Wave*

Concurrent Session 3.4:
Technology and Criminal Justice (Room 442)

Trason Lasley, J. Reuben Clark Law School; *Forensic Microbiome Evidence: Fourth Amendment Applications and Court Acceptance*

Jay Stanley, American Civil Liberties Union; *Digital Identity's Constitutional Moment and Constraining the Coming Explosion in Police Use of Drones*

Vladimir Troitskiy, Lex International Law Firm; *AI Big Data and Positivist Criminology The Evolution of Technology and Predictive Punishment*

Concurrent Session 3.5: Neurotech and Aging (Room 450)

William Dawley, University of Bergen, Harvard University; *The Ethnography of Amortal Futures: Counterintuitive Findings from Ethnographic and Survey Data on Cryonics and Anti-Aging*

Alberto Aparicio, University of Texas Medical Branch; *They Want to Live Forever Private Investors and the Making of a Life Extension Revolution in Biomedicine*

Angelina Manion, Sandra Day O'Connor College of Law, Arizona State University; *The United States' and International Standard's Mental Health App Governance Landscape, Gaps, and Recommendations*

Oluyinka Oyeniji, De Montfort University; *Challenges of Advancing Neuroscience Research with Neurotechnologies in Africa*

12-12:45 p.m.   Lunch
(W. P. Carey Armstrong Foundation Great Hall)

12:45-2:15 p.m.   Plenary Session 5:
Towards Equitable Innovation: Ethics, Access and Governance in Healthcare
(W. P. Carey Armstrong Foundation Great Hall)

Moderator: **Jon Tilburt,** Mayo Clinic Arizona

Panelists: **Rachel Gur-Arie,** Edson College of Nursing, Arizona State University

Craig Norquist, Honor Health

Rebecca Tsosie, The University of Arizona

Aric Bopp, Mayo Clinic

Karen Meagher, Mayo Clinic

2:15-2:30 p.m.   Coffee break
(W. P. Carey Armstrong Foundation Great Hall)

2:30-4 p.m.   Concurrent Session #4

Concurrent Session 4.1:
Corporate Governance and Technology (Room 240)

Paul Flanagan, Drexel Law School; *Taming the AI and Privacy Dragon*

Larry D. Foster, Prairie View A&M University; *Sam Altman Open AI and The Importance of Corporate Governance*

Vanessa Villanueva Collao, European University Institute of Fiesole; *Cryptogatekeepers in Decentralized Finance Conflicts of Interest and Prospective Solutions*

Alexandra Andhov, University of Copenhagen, Denmark; *Rethinking Corporate Governance of Big Tech: Lessons from Governance of Financial Institutions*

Concurrent Session 4.2: Trust and Bias (Room 250)

Caity Roe and **Lenoa Williamson,** Arizona State University; *Advancing the Space 4.0 Era A Policy Oriented Jurisprudence Approach to Trust Mechanisms*

Lirong Shi, University of Michigan; *A New Testing Scheme for Mitigating Bias in Training Data of Autonomous Vehicles*

Lyria Bennett Moses, UNSW Law and Justice; *Discrimination and Artificial Intelligence*

Concurrent Session 4.3: Future Tech (Room 442)

Brad Allenby, Arizona State University; *AGI and the Obsolescence of Human Cognition*

Aubrey Davis, U.S Air Force Academy; *The Future of Judicial Review: The Major Questions Doctrine, the Political Question Doctrine, and Emerging Technology*

Yasmin Afshar, Center for Energy and Society, Arizona State University; *Future of Electric Vehicles Infrastructure Deployment in Phoenix Metropolitan Area*

Michelle Olson, Lambert by LLYC and **Gary Marchant,** Arizona State University**;** *Advanced Air Mobility*

Concurrent Session 4.4: Data Governance (Room 450)

Traci Morris, American Indian Policy Institute, Sandra Day O'Connor College of Law, Arizona State University; *Tribal Digital Sovereignty*

Emmi Bane, Hewlett Packard, and **Toby Shulruff**, Arizona State University; *Consent, Community Engagement, and the Social Governance of Emerging Technologies*

Trent Kannegieter, Platform Division at Blue Rive Technology; *Building Globally Inclusive Datasets: A Diplomatic Opportunity for the International Community*

4-6 p.m.   **GETS' Together**

and Conference Closing (Room 544)

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

Eric Hale Hitchcock
Executive Director,
Center for Law, Science and
Innovation

Trever Formosa
Program Coordinator,
Center for Law, Science and
Innovation

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