10th Annual Governance of Emerging Technologies and Science Conference

May 18-19, 2023

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

Join us for:

Thursday, May 18

10th Conference on Governance of Emerging Technologies and Science

GETS *Reception* and Student Poster Session

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

THURSDAY, MAY 18
ROOM 544 – 6:00 PM

Friday, May 19

BBQ and Conference Closing
GETS' TOGETHER

Friday, May 19th
Room 544 – 3:30 PM

Exclusive SWAG Giveaway!!!

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

WAYMO

Day 1: Thursday, May 18, 2023

8-8:30 a.m   **Breakfast**

(Great Hall, Beus Center for Law & Society)

8:30-8:45 a.m.   **Welcome Remarks**

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

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

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

Technology and Trust

(Great Hall, Beus Center for Law & Society)

Moderator: **Diana Bowman,** Arizona State University

Panelists: **Helen A. F. Gould,** Tech Strategizers LLC

Hilary Sutcliffe, SocietyInside

Mary Engle, BBB National Programs

Michelle Patel, Food Standards Agency, UK

10:15-10:45 a.m.   **Coffee Break**

(Great Hall, Beus Center for Law & Society)

Concurrent Session 1.1:
Technology Innovation (Room 140)

Cameron Buckner, University of Houston, *An Ecological-Rationality-Based Framework for Understanding Progress in AI*

Gary Marchant, Arizona State University, *The Pacing Problem and AI*

Steph Batalis, Georgetown University, *Innovation Indicators for Emerging Technologies*

Tyson Winarski, Arizona State University, *Intellectual Property Issues with Artificial Intelligence*

Concurrent Session 1.2:
Building Trust in Technology (Room 240)

Benjamin Faveri, Arizona State University, *Informing Emerging AI Certification Programs Through Three Case Studies*

Erin Chiou, Arizona State University, *Validating MAST: A Tool for Designing and Evaluating Trustable AI-Enabled Systems*

Helen A. F. Gould, Tech Strategizers LLC, *High Tech Hierarchy of Needs*

Jay Carpenter, Desert Blockchain LLC, *DWeb Stewards for Near Anonymity at the Peers*

Concurrent Session 1.3:
Digital and Crypto Assets (Room 150)

Lawrence Trautman, Prairie View A&M University, *The FTX Crypto Debacle: Largest Fraud Since Madoff?*

Matteo Pistillo, Stanford University, *International Investment Protection of Crypto*

Vladimir Troitskiy, Lex International Law Firm, *Unclaimed Digital Assets: Addressing the Legal Implications of Absent or Unknown Ownership*

Yafit Lev-Aretz, CUNY, *Decentralized Credit Scores: The False Hope of Programming Fairness*

Concurrent Session 1.4:
AI Health (Room 250)

Austin Stroud, Mayo Clinic, *Artificial Intelligence and Patients: What Matters for Trust and Transparency*

Benjamin Sundholm, Tulane University, *Clarifying the Black-Box Problem in Medicine*

Richard Sharp, Mayo Clinic, *Patient and Physician Perspectives on the Oversight of Artificial Intelligence Tools in Healthcare*

Stuart Brotman, University of Tennessee, Knoxville, *Artificial Intelligence and COVID-19: Assessing Competitive and Cooperative Models of the United States and China*

Concurrent Session 1.5:
Research in Underserved Populations (Room 243)

Bonginkosi Shozi, University of California, University of KwaZulu-Natal, *Governing Genomic Health Research in Africa: The Legal and Ethical Conundrums of Benefit Sharing Arrangements*

Chris Barton, Arizona State University, *The Use of Theory and Technology in Global Development: Toward A Critical Engagement with The Political Ontology of Global Development Practice*

Peter Munyi, University of Nairobi, *University of KwaZulu-Natal, Rethinking Altruism in Incentivizing Human Research Participants in Africa*

Ibrahim Garba, University of Arizona, *Reciprocity in Innovation: The Case of Indigenous Research Governance in the US*

12:15-1 p.m.	Lunch & Learn: Waymo 101

(Great Hall, Beus Center for Law & Society)

Whitney Steele
Public Affairs Specialist at Waymo

Concurrent Session 2.1:
Intellectual Property Governance (Room 140)

Cason Schmit, Texas A&M University, Leveraging IP For AI Governance: Using Copyleft AI With Trusted Enforcement (CAITE) Can Support an *Adaptable Soft Law Approach for Ethics in AI*

Robert Cook-Deegan, Arizona State University, The Impact of Patentable Subject Matter Jurisprudence on Genetic Testing for Inherited Cancer Risk

Toby Shulruff, Arizona State University, *Getting Real: The Social Implications Of AI-Generate Art*

Zachary Catanzaro, St. Thomas University, *Art in the Age of Algorithmic Production*

Concurrent Session 2.2:
Social and Digital Media (Room 240)

Gary Myers, University of Missouri, *The Truth is Out There -- Assessing Big Tech-Government Interactions in the Twitter and Facebook Files*

Jennifer Huddleston, Cato Institute, *Are the Kids Okay?: Exploring Industry Self-Regulatory Options in Response to Critiques of Youth Social Media Use*

Rebecca Lin, Stanford University, *Role of Algorithms in Democratic Societies - Miseducation of Google Image in Crime Search*

Ryan Johnson, Savvas Learning Co., *Children's Online Privacy vs. the Rise of Surveillance Tech*

Concurrent Session 2.3:
Blockchain and NFTs (Room 150)

Alexander Gilman, Gilman Law Offices, Never Break the Chain: A Deep Dive into Practical Barriers to Governance of Blockchains and Decentralized *Constructs*

Andrew Appleby, Stetson University, *Taxing Tokens*

Brian Frye, University of Kentucky, *How to Do Things with NFTs*

Gary Marchant, Regents Professor, Sandra Day O'Connor College of Law, Arizona State University, *Blockchains Galvanizing Carbon Credits*

Concurrent Session 2.4:
AI Large Language Models (Room 250)

Adam Hatefi, Arizona State University, *Use of Artificial Intelligence in Government Relations and Public Affairs*

I-Ching Chen, National Tsing Hua University, *The Shadow Behind the Beauty: A Regulation Reflection from Artificial Intelligence Application in Beauty Industry*

Joshua Abbott, Arizona State University, *A Chatbot Wrote This—An Extended Evolutionary Approach to A.I. Technology and Complex Governance Systems*

Concurrent Session 2.5:
Health and Pandemics (Room 243)

Amir Dezfuli, Arizona State University, *Lowering the Cost of Prescription Drugs*

Dov Greenbaum, IDC Herzliya, *Digital Twins in Healthcare*

Jonathan Kahn, Northeastern University, *Diversity's Pandemic Distractions*

Rachel Gur-Arie, Arizona State University, *The Ethics of COVID-19 Vaccine Mandates for Healthcare Workers: Public Health and Clinical Perspectives*

10:15-10:45 a.m.	Coffee Break (Great Hall)

2:50-4:20 p.m.	Concurrent Session #3

Concurrent Session 3.1:
Neurotechnology (Room 140)

Dov Greenbaum, IDC Herzliya, *Cyberneurosecurity*

Erik Kamenjasevic, KU Leuven, *Systematic Exploration of The Ethics Debate Concerning Human Mood Enhancement Technologies for Regulatory Purposes*

Oluyinka Oyeniji, De Montfort University, *Ethical Issues Arising from International Neuroscience Research Collaborations: An African Perspective*

Paschal Ochang, De Montfort University, *Towards an Understanding of Global Brain Data Governance*

Concurrent Session 3.2:
Genomics (Room 240)

Adam Candeub, Michigan State, *Legal Issues Surrounding Access to GWAS Databases*

Amanda Courtright-Lim, Mayo Clinic, *Anticipating Ethical Issues through a Mixed Method Approach to Evaluate Perspectives on Genetic Testing for Specific Learning Disabilities*

Caroline Schuerger, Georgetown University, *China's Global Health Ambitions: The Importance of Genomic Data*

Donrich Thaldar, University of KwaZulu-Natal, The Res Nullius Construction of Human Genomic Data

Concurrent Session 3.3:
Big Data (Room 150)

Brad Allenby, Arizona State University, *Rise of the Cognitive Ecosystem*

Gary Marchant, Regents Professor, Sandra Day O'Connor College of Law, Arizona State University, *How Courts Can Utilize Big Data?*

Paul Flanagan, Drexel University, *Our Privacy- Vanishing in Plain Sight: Privacy Compliance & Data Security Frameworks in an Ever-Evolving Digital Ecosystem*

Steve Black, Texas Tech University, *Where Does Data Live?*

Concurrent Session 3.4:
AI Governance (Room 250)

Adam Thierer, R Street Institute, *AI Governance & Algorithmic Auditing without the Precautionary Principle*

Carlos Ignacio Gutierrez, Future of Life Institute, *Issues in Governing AI Systems with Novel Capabilities in Taste and Smell*

Kenneth Anderson, American University, *A Framework for Regulating Machine Learning Technologies Based on Justice Stephen Breyer's General Categories of Regulation*

Sharon Bassan, Visiting Assistant Professor, Thomas R. Kline School of Law, Drexel University, *Harnessing the Power of Users Input to Improve Content Amplification and Personalization in Social Media Algorithms*

Concurrent Session 3.5:
Technology & Professional Responsibility (Room 243)

Cinnamon Bloss, University of California San Diego, *Defining Moral Obligations and Professional Standards for Social Media Technology Workers*

Jason Robinson, DoubleDown Interactive, *Digital Hospitality: Bridging PIT Principles and UX Practice*

Robert Copple, Copple and Associates, *What the Elizabeth Holmes Trial and Sentencing Tell Us About the Rights and Roles of Patients in Biotech and Medical Device Fraud*

Sean McDonald, Digital Public, *The Governance Gap: Preparing Professions for Digital Transformation*

4:30-6 p.m.   Plenary Session 2:

Reigning in Big Tech: Whether, Why, Who, and How

(Great Hall, Beus Center for Law & Society)

Moderator: **David Gelfand,** Arizona State University

Panelists: **Gene Kimmelman,** Harvard Kennedy School

           Gus Hurwitz, University of Nebraska

           Jennifer Huddleston, Cato Institute

           Kathleen Bradish, American Antitrust Institute

6-8 p.m.

GETS Reception and Student Poster Session
(Room 544)

Day 2: Friday, May 19, 2023

8-8:30 a.m   **Breakfast**

(Great Hall, Beus Center for Law & Society)

8:30-10 a.m.   Plenary Session 3:

Soft Law Governance of Specific AI Applications

(Great Hall, Beus Center for Law & Society)

Moderator: **Benjamin Faveri,** Arizona State University

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

Dan Merkle, FaceFirst Inc.

Lucille Tournas, Arizona State University

Tracy Pearl, University of Oklahoma

10:15-10:45 a.m.   **Coffee Break** (Great Hall)

10:15-11:45 a.m.   **Concurrent Session #4**

Concurrent Session 4.1:
Responsible Innovation (Room 140)

Lauren Olivia Ruffin, Arizona State University

Justin Shapiro, Arizona State University

David Guston, Arizona State University

Jenny Brian, Arizona State University

Lauren Withycombe Keeler, Arizona State University

Hilary Sutcliffe, Director, SocietyInside

Concurrent Session 4.2:
Governance Frameworks for Emerging Technologies (Room 240)

Brent Skorup, George Mason University, *Public Policies to Match Problem Drivers with Autonomous Vehicles*

Eva Thelisson, AI Transparency Institute, *Towards A Global Space Governance, The Key for A Peaceful and Sustainable Use of Space?*

Richard Williams, Center for Truth in Science, *Regulating Euphoria*

Jessica Seddon, School of Global Affairs, Yale University, *Global Monitoring as a Governance Imperative for Solar Geoengineering*

Concurrent Session 4.3:
Biosafety and Biosecurity (Room 150)

Dalton George, Arizona State University, *Governing Synthetic Biology: Is Biocontainment A Solution for Governing Future Environmental Releases of Engineered Organisms?*

David Gillum, Arizona State University, *Assessing Biosafety and Biosecurity Oversight of Dual Use Research of Concern and Pathogens of Pandemic Potential*

Trason Lasley, BYU, *Synthetic Biology: Is it Prohibited by the Biological Weapons Convention or Other International Laws?*

Vikram Venkatram, Georgetown University, *The Antimicrobial Resistance Research Landscape and Emerging Technology Solutions*

Concurrent Session 4.4:
AI and the Law (Room 250)

Derek Bambauer, University of Arizona, *When Law Becomes Code*

Emile Loza de Siles, University of Hawai'i at Manoa, *Deming It: How Systems Engineering Informs Artificial Intelligence Bias Governance and Law*

Gary Marchant, Regents Professor, Sandra Day O'Connor College of Law, Arizona State University, *Will Chat-GPT Disrupt the Practice of Law?*

Tracy Pearl, University of Oklahoma, *On Warrants & Waiting: Electronic Warrants and the Fourth Amendment*

11:45 a.m.-12:15 p.m.   Lunch & Learn

(Great Hall, Beus Center for Law & Society)

12:15-1:45 p.m.   Lunch Plenary Session 4:

GPT and Large Language Models: Implications for Education and Beyond

(Great Hall, Beus Center for Law & Society)

Moderator:	**Wendell Wallach,** Carnegie Council for Ethics in International Affairs
Panelists:	**Brad Allenby,** Arizona State University
	Chitta Baral, Arizona State University
	Jane Bambauer, University of Arizona
	Lea Bishop, Indiana University
	Whitney Stefko Dover, The Pollinate Legal Team

10:15-10:45 a.m.   Coffee Break (Great Hall)

2-3:30 p.m.   Concurrent Session #5

Concurrent Session 5.1:
Future Technology (Room 150)

Alberto Aparicio, Harvard University, *Accept No Limits: The Creation and Exploration of a Safe Space for Experimentation in Xenobiology as a Legacy of Asilomar*

James Arrowood, Alcor Life Extension Foundation, *Cryogenics*

James Hughes, Institute for Ethics and Emerging Technologies, *The Democratic Metaverse: Building an Extended Reality Safe for Citizens, Workers and Consumers*

Natasha Vita-More, AI-Nanorobot Engineering and Humans Evolving

Concurrent Session 5.2:
Stakeholders and Trust (Room 240)

Brad Allenby, Arizona State University, *Trust, Truth, and Tribe*

Hilary Sutcliffe, SocietyInside, *A Framework for Meaningful Stakeholder Engagement in Regulation and Governance Design*

Lisa Rasmussen, University of North Carolina at Charlotte, *Trust Architectures in Research*

Toby Shulruff, Arizona State University, *Trust and Safety Work as Internal Governance of Technology*

Concurrent Session 5.3:
Augmented Reality and the Law (Room 250)

Hayden Myers, Arizona State University, *Virtual and Augmented Crimes: Future Understanding of Criminal Acts in The Metaverse And Liability in Augmented Reality*

Kedharnath Sankararaman, Arizona State University, *Business Liability with the Advent of AR Technology*

Marcel Ruzan, Arizona State University, *Augmented Reality Privacy*

Michael Nathanson, Arizona State University, *Intellectual Property Challenges Surrounding Augmented Reality*

| 3:30-5 p.m. | **GETS'Together BBQ & Conference Closing** (Room 544) |

Scan to visit the conference website