

MARC CANELLAS, J.D., PH.D.

www.marccanellas.com

marc.c.canellas AT gmail.com

EDUCATION

J.D., New York University 2018–2021

Honors: Article Selection Editor, *N.Y.U. Review of Law and Social Change*
Jacobson Leadership Program in Business and Law Scholar
Cybersecurity Service Scholar
NYU Law Vanderbilt Medal
NYU Jacobson Leadership Program in Business and Law Scholar
NYU Cybersecurity Service Scholar

Activities: Research Assistant, Prof. Tony Thompson
Research Assistant, Prof. Ryan Bubb
Research Assistant, Prof. Erin Murphy
Teaching Assistant, *Critical Infrastructure*, Prof. Rob Silvers
Co-Founder, Rights over Tech

Ph.D., Aerospace Engineering, Georgia Institute of Technology 2012–2017

Honors: Best Poster Award, Max Planck Institute for Human Development,
Berlin, Germany
Graduate Student Government Lifetime Achievement Award
Campus Life and Community at Tech Scholarship
Colonel Leslie Callahan Memorial Fellowship
National Science Foundation (NSF) Graduate Research Fellowship
(12% acceptance rate)
National Defense Science and Engineering Graduate (NDSEG)
Fellowship (7% acceptance rate, declined)

Activities: President, Graduate Student Government
Sam Nunn Security Program Fellow

B.S. Mechanical Engineering, University of Missouri 2008–2012

Honors: *Magna Cum Laude*

Activities: Research Assistant, *Astrophysics*, Prof. Sergei Kopeikin
Lead Mechanical Engineer, “Tigergen II” Hydrogen Car Team

PROFESSIONAL EXPERIENCE

Office of the Public Defender, Forensic Division, Maryland 2024–present *Assistant Public Defender III*

- Litigate any expert evidence including probabilistic genotyping software, genetic genealogy, digital forensics, cell site location information, geofence, AI-generated audio and video, abusive head trauma, ballistics, arson, manner of death, for cases including charges of murder, manslaughter, abuse and neglect.
- Authored brief and argued at the Appellate Court of Maryland challenging trial court’s admission of DNA software evidence under *Daubert* (*Harvin v. State*), and authored petition for writ of certiorari to Maryland Supreme Court.
- Support attorneys across Maryland through training, recruiting and preparing experts, and litigating expert evidence at trial, appeal, and post-conviction.

- Faculty for Bring Your Own Case (BYOC), bi-monthly, multi-day workshops supporting trial teams litigating the most complex, high-profile cases in Maryland.
- Graduate of the National Forensics College (2024), Maryland's Advanced Litigation Training (2024), and Gideon's Promise Training (2024).

Office of the Public Defender, Arlington County, Virginia **2021–2023**
Assistant Public Defender I

- 180+ client caseload for charges ranging from misdemeanors to violent felonies including manslaughter, possession of child pornography, aggravated sexual battery, malicious wounding, and object sexual penetration.
- Primary youth defender in the Office with a caseload of 40+ youth clients.
- Briefed 3 and argued 2 appeals on the merits in the Court of Appeals of Virginia, winning reversal on one.
- Graduate of the National Criminal Defense College Trial Practice Institute (2023) and National Forensics College (2023).

Brooklyn Defender Services, Brooklyn, New York **2020**
Intern, Criminal Defense Division, and Science & Surveillance Project

Bronx Defenders, Bronx, New York **2020**
Intern, Criminal Defense Division

Federal Defenders of New York, New York, New York **2019–2020**
Intern, Southern District

Neighborhood Defender Service of Harlem, New York, New York **2019**
Intern, Family Defense Division

U.S. Representative Derek Kilmer (D, WA-6) **2017–2018**
IEEE-USA Congressional Science and Technology Fellow

- Responsible for policy, media, and appropriations for a portfolio including justice, surveillance, homeland security, defense, space, AI, science and technology, among others.

Post-Doctoral Researcher, Cognitive Engineering Center **2017**
Georgia Institute of Technology

- Designed decision support systems for military commanders in complex, time-pressured, mission-and safety-critical environments within aviation and naval domains.
- Evaluated the effectiveness of technologies within existing organizational, social, and technical constraints through computational cognitive modeling, interviews, focus groups, and human-subject studies.

AWARDS & HONORS

- 2024 Gideon’s Promise Training
- 2024 Maryland Office of the Public Defender’s Advanced Litigation Training
- 2024 National Forensic College
- 2023 National Forensic College
- 2023 National Criminal Defense College (NCDC) Trial Practice Institute
- 2023 Most downloaded (top 10%) paper within 12 months of publication *AI Magazine*
Katsikopoulos, K., and Canellas, M. (2022). “Decoding human behavior with big data? Critical, constructive input from the decision sciences”
- 2021 Best Paper Award, WeRobot 2021 for “Anti-Discrimination Law’s Cybernetic Black Hole”
- 2021 NYU Law Vanderbilt Medal
- 2018 NYU Jacobson Leadership Program in Business and Law Scholar
- 2018 NYU Cybersecurity Service Scholar
- 2017 IEEE-USA Congressional Science and Technology Fellowship
- 2016 Best Poster Award, Max Planck Institute for Human Development, Summer Institute on Bounded Rationality
- 2016 Georgia Tech Graduate Student Government Mitch Keller Lifetime Achievement Award
- 2016 Georgia Tech Campus Life and Community at Tech Scholarship
- 2015 Georgia Tech Colonel Leslie Callahan Memorial Fellowship
- 2014 Georgia Tech Sam Nunn Security Program Fellow
- 2013 National Science Foundation Graduate Research Fellowship
- 2012 Georgia Tech Goizueta Foundation Fellowship
- 2012 University of Missouri Unsung Hero Award
- 2011 Ronald E. McNair Post-Baccalaureate Achievement Program Scholar

LAW REVIEWS

- 3. [Constitutional Resistance: Self-Defense Against Unlawful Federal Force under 18 U.S.C. § 111](#)
UCLA Law Review Discourse.
2025 (forthcoming).
- 2. [Mo AI, Skidmore Problems: Governing in our Loper Bright Era](#)
University of Virginia Journal of Politics and Law.
2025 (forthcoming).
- 1. [Abolish and Reimagine: The Pseudoscience and Mythology of Substance Use in the Family Regulation System](#).
Georgetown Journal on Poverty Law & Policy.
2023.

In Preparation

- 2. [Machine-Generated Evidence](#)
*Previously titled “Challenging Carceral Software”
 - Selected, CrimFest 2025
 - Selected, Privacy Law Scholars Conference (PLSC) 2025 (Commenter: Orin Kerr (Stanford Law School))

- Presentation, NACDL, *Making Sense of Science: Forensic Science, Technology & the Law*, April 2025.
- Presentation, New York State Defenders Association, April 2025.
- Presentation, Legal Aid Society of New York, *Questioning Forensics*, December 2024.
- Presentation, Maryland Office of the Public Defender, *Annual Public Defender Conference*, May 2024.

1. Anti-Discrimination Law's Cybernetic Black Hole

- Selected for NYU Academic Careers Program Scholarship Clinic, 2024
- Best Paper Award, WeRobot 2021

Conference Paper

1. [Framing Human-Automation Governance: A New Modus Operandi from Cognitive Engineering.](#)

Marc Canellas, Matthew Miller, Yosef Razin, Rachel Haga, Dev Minotra, and Raunak Bhattacharyya.
WeRobot.
2017.

PEER-REVIEWED
SCIENTIFIC
PUBLICATIONS

Journals

7. [Decoding Human Behavior with Big Data? Critical, Constructive Input from the Decision Sciences.](#) [\[YouTube\]](#)

AI Magazine

Konstantinos Katsikopoulos and Marc Canellas

Spring 2022.

- Top 10% of AI Magazine articles downloaded within 12 months of publication (2023)

6. [Defending IEEE Software Standards in Federal Criminal Court.](#)

IEEE Computer

June 2021.

- Cited in the successful Brief of Amici Curiae American Civil Liberties Union, American Civil Liberties Union of Massachusetts, Inc., the Electronic Frontier Foundation, the National Association of Criminal Defense Lawyers, and the Massachusetts Association of Criminal Defense Lawyers in Support of Appellee in the case *Commonwealth v. Arrington*, 493 Mass. 478 (2024) which held that the trial court properly excluded evidence from the defendant's cell phone's frequent location history (FLH) data.
- Cited in § 30:34. Special topics—Probabilistic software, 4 Mod. Sci. Evidence § 30:34 (2024-2025 Edition)

5. [Unsafe at Any Level: U.S. NHTSA's levels of automation are a liability for autonomous vehicle design and regulation.](#)

Marc Canellas and Rachel Haga.
Communications of the ACM.
March 2020.

4. [Heuristic Information Acquisition and Restriction for Decision Support.](#)
Marc Canellas and Karen Feigh.
IEEE Transactions on Human-Machine Systems.
2017.
3. [Toward Simple Representative Mathematical Models of Naturalistic Decision Making through Fast-and-Frugal Heuristics.](#)
Marc Canellas and Karen Feigh.
Journal of Cognitive Engineering and Decision Making.
2016.
2. [Lost in Translation: Building a Common Language for Regulating Autonomous Weapons.](#)
Marc Canellas and Rachel Haga.
IEEE Technology and Society Magazine.
2016.
1. [Accuracy and Effort of Decision-Making Strategies with Incomplete Information: Implications for Decision Support System Design.](#)
Marc Canellas, Karen Feigh, and Zarrin Chua.
IEEE Transactions on Human-Machine Systems.
2015.

Conferences

3. [Toward Meaningful Human Control of Autonomous Weapons Systems through Function Allocation.](#)
Marc Canellas and Rachel Haga.
IEEE International Symposium on Technology and Society (ISTAS).
2015.
2. [Heuristic decision making with incomplete information: Conditions for ecological rationality.](#)
Marc Canellas and Karen Feigh.
IEEE International Conference on Systems, Man and Cybernetics (SMC).
2014.
1. [Accuracy and effort of decision making strategies with incomplete information.](#)
Marc Canellas, Karen Feigh, and Zarrin Chua.
IEEE International Inter-Disciplinary Conference on Cognitive Methods in Situation Awareness and Decision Support (CogSIMA).
2014.

ESSAYS &
OP-EDS

7. [Trump's New Favorite Law for Criminalizing His Opponents](#)
Slate.
May 29, 2025.
6. [Realistic but Not Real: Deep Challenges for Deepfakes](#)
Decrypting a Defense: A Newsletter from The Legal Aid Society of NYC's Digital Forensics Unit.
Sept. 9, 2024.
5. [Trustworthy Evidence for Trustworthy Technology: An Overview of Evidence for Assessing the Trustworthiness of Autonomous and Intelligent Systems](#).
Jeanna Matthews, Bruce Hedin, and Marc Canellas.
IEEE-USA AI Policy Committee and IEEE Global Initiative's Law Committee
Sept. 29, 2022.
 - Cited in the successful Brief of Amici Curiae American Civil Liberties Union, American Civil Liberties Union of Massachusetts, Inc., the Electronic Frontier Foundation, the National Association of Criminal Defense Lawyers, and the Massachusetts Association of Criminal Defense Lawyers in Support of Appellee for *Commonwealth v. Arrington*, 493 Mass. 478 (2024) which held that the trial court properly excluded unreliable evidence from the defendant's cell phone's frequent location history (FLH) data.
 - Cited in Brief of Amici Curiae the New England Innocence Project and the Innocence Project in Support of Appellant and Reversal of the Denial of a New Trial for *Commonwealth of Massachusetts v. Lee Manuel Rios*, 2024 WL 4878186 challenging the reliability of ShotSpotter.
4. [A Post-Election Trump Firing Makes the Case for an Independent, Regulatory CISA](#)
Just Security.
December 1, 2020.
3. [A Once-in-a-Lifetime Opportunity: IEEE-USA Government Fellowships](#)
IEEE-USA Insights.
July 15, 2020.
2. [Voting Machines Must Become More Usable: Lots of Voting Machines Are Really Confusing, and on Election Day, It Showed](#).
Slate.
November 20, 2018.
1. [Was Your Voting Machine Hacked? Without More User-Friendly Devices, We May Not Know](#).
Just Security.
November 16, 2018.

APPELLATE
BRIEFS AND

4. *Harvin v. State*, 263 Md.App. 326 (2024)
(unsuccessful) (holding that the trial court did not abuse its discretion in admitting

ARGUMENTS

DNA evidence generated from TrueAllele under Maryland Rule 5-702 and *Daubert-Rochkind*) ([video recording](#)) (authored cert petition to Maryland Supreme Court which was denied)

3. [[Briefs only](#)] *Goss v. Commonwealth*, (Va. Ct. App. July 16, 2024) (unpublished) (unsuccessful) (affirming the trial court decisions to (1) hold separate sentencing hearings for violations originating from a single major violation report that were “considered” at a single probation revocation hearing, and (2) the trial court did not find the technical violations arose from “the same course of conduct.”)
2. *Kartozia v. Commonwealth* No. 1633-22-4, 2024 WL 923107 (Va. Ct. App. Mar. 5, 2024), *cert. granted* (Sept. 13, 2024), *rev’d* ___ S.E.2d ___ (Va. June 5, 2025) (ultimately reversing the Court of Appeals and affirming the trial court, holding that the court properly refused to instruct the jury on the claim of right defense to trespass) [briefed and argued at the Court of Appeals]
1. *Sherman v. Commonwealth* (Va. Ct. App. Aug. 29, 2023) (unpublished) (unsuccessful) (holding that Sherman did commit a non-technical violation and that the trial court did not abuse its discretion imposing four years of incarceration for drinking alcohol).

AMICUS BRIEFS

1. *State of New Jersey v. Pickett*, 466 N.J. Super. 270 (App. Div. 2021) (Supporting expert for brief filed on behalf of defendant Pickett arguing for full access to the DNA software source code. Pickett was successful and court cited the brief in its decision.)

PUBLIC TESTIMONY

2. [Re: HB 1425: “Criminal Law – Identity Fraud – Artificial Intelligence and Deepfake Representations”](#)
Oral Testimony.
Maryland House of Delegates, Judiciary Committee.
Annapolis, MD, 2025.
1. [Re: “Oversight - Follow up on Local Law 49 of 2018 in Relation to Automated Decision Systems Used by Agencies”](#) [[Video](#)]
Written and Oral Testimony.
New York City Council, Committee on Technology.
New York, NY, 2020.

STATEMENTS & REPORTS

10. [Letter to the National Institute of Justice providing input on section 7.1\(b\) of Executive Order 14110, “Safe, Secure, and Trustworthy Development and Use of Artificial Intelligence.”](#)
IEEE-USA.
May 2024.
9. [Letter to NIST providing comments on NIST Internal Report 8354-DRAFT Digital Investigative Techniques: A NIST Scientific Foundation Review](#)
IEEE-USA, IEEE Standards Association (IEEE SA), and the IEEE Computer Society.
July 2022.

- Cited in the successful Brief of Amici Curiae American Civil Liberties Union, American Civil Liberties Union of Massachusetts, Inc., the Electronic Frontier Foundation, the National Association of Criminal Defense Lawyers, and the Massachusetts Association of Criminal Defense Lawyers in Support of Appellee for *Commonwealth v. Arrington*, 493 Mass. 478 (2024) which held that the trial court properly excluded unreliable evidence from the defendant’s cell phone’s frequent location history (FLH) data.
- 8. [Letter to NIST providing comments on NIST Internal Report 8351-DRAFT DNA Mixture Interpretation: A NIST Scientific Foundation Review](#)
IEEE-USA.
November 2021.
 - Cited in the successful Brief of Amici Curiae American Civil Liberties Union, American Civil Liberties Union of Massachusetts, Inc., the Electronic Frontier Foundation, the National Association of Criminal Defense Lawyers, and the Massachusetts Association of Criminal Defense Lawyers in Support of Appellee for *Commonwealth v. Arrington*, 493 Mass. 478 (2024) which held that the trial court properly excluded unreliable evidence from the defendant’s cell phone’s frequent location history (FLH) data.
- 7. [Privacy, Equity, and Justice in Artificial Intelligence](#)
IEEE-USA Position Statement.
(with IEEE-USA Artificial Intelligence Policy Committee).
November 2021.
- 6. [Democratic Use of Artificial Intelligence](#)
IEEE-USA Position Statement.
(with IEEE-USA Artificial Intelligence Policy Committee).
November 2021.
- 5. [Artificial Intelligence: Jobs, Education, Workforce, and Diversity](#)
IEEE-USA Position Statement.
(with IEEE-USA Artificial Intelligence Policy Committee).
November 2021.
- 4. [Effective Governance of Artificial Intelligence](#)
IEEE-USA Position Statement.
(with IEEE-USA Artificial Intelligence Policy Committee).
November 2021.
- 3. [Artificial Intelligence: Accelerating Inclusive Innovation by Building Trust](#)
IEEE-USA Position Statement.
(with IEEE-USA Artificial Intelligence Policy Committee).
July 2020.
- 2. [Recommendations to the New York City Automated Decision Systems Task Force](#)
Open Letter.

(with coalition of technical and civil rights experts, advocates, and community members).
August 17, 2018.

1. [Artificial Intelligence Research, Development and Regulation](#)
IEEE-USA Position Statement.
(with IEEE-USA Ad-Hoc Artificial Intelligence Policy Committee).
February 10, 2017.

CLE CREDIT
PRESENTATIONS

17. Machine-Generated Evidence
22nd Annual Forensics Conference
Texas Criminal Defense Lawyers Association
Austin, TX, October 2025.
16. Challenging Carceral Forensic Software
Making Sense of Science: Forensic Science, Technology & the Law
NACDL.
Las Vegas, NV, April 2025.
15. Identification and Preparation of Expert Forensic Witnesses
Joint Annual Conference
Pennsylvania Association of Criminal Defense Lawyers &
the Public Defenders Association of Pennsylvania
Harrisburg, PA, April 2025.
14. Challenging Software- & AI-Generated Evidence
New York State Defenders Association
Discovery & Forensic Support Unit
Virtual, April 2025.
13. Everything You Wanted to Know [About Carceral Software and Generative AI] But
Were Too Afraid to Ask
Forensic Fridays
Maryland Office of the Public Defender
Virtual, March 2025.
12. Balancing Innovation & Oversight: Navigating the Impact of Technology
Across Industries
University of Richmond Journal of Law & Technology
Richmond, VA, February 2025.
11. Challenging Carceral Forensic Software
Questioning Forensics
Legal Aid Society of New York.
New York, NY, December 2024.
10. Challenging Carceral Forensic Software

Annual Public Defender Conference
Maryland Office of the Public Defender.
Cambridge, MD, May 2024.

9. Preparing Expert Social Worker Testimony
Maryland Office of the Public Defender, District 1, Baltimore City
Baltimore, MD, April 2024.
8. Engineering the War Against Carceral Technology
Annual Public Defender Conference
Virginia Indigent Defense Commission.
Richmond, VA, October 2022.
7. Engineers v. PGS: A Strategy for the War Against Carceral Technology
Questioning Forensics.
Legal Aid Society of New York.
New York, NY, April 2022.
6. AI in Space
Panelist.
AI in Space and Telecom.
Federal Communications Bar Association – Artificial Intelligence, Machine Learning & Robotics, International Telecommunications, and Wireless Telecommunications Committees.
Virtual, June 2021.
5. AI: Triage in a Pandemic
Panelist.
Artificial Intelligence Law 2021.
Practising Law Institute.
New York, NY, January 2021.
4. [AI Law: The Basics](#)
Panelist.
Artificial Intelligence Law 2020.
Practising Law Institute.
New York, NY, January 2020.
3. [Seven Questions to Ask When Faced with an Algorithm](#)
Primer on AI.
Rights over Tech with the NYU Center on Civil Justice.
New York, NY, November 2019.
2. Impact of Innovation
Moderator.
NYU Law & Tech.
New York, NY, October 2019.

1. A Golden Age of Legal Innovation: Navigational Advice for Law Students, Young Lawyers, and Other Explorers
Panelist.
NYU Law & Tech.
New York, NY, April 2019.

PRESENTATIONS

32. AI and Criminal Law
Organizer
Santa Fe Institute
Santa Fe, N.M., September 2025.
32. Path Forward for AI in Forensic Science
Program committee, presenter, and moderator.
Harnessing the Power of AI Systems in Forensic Science
NIST and RTI International
Washington, D.C., July 2025.
31. Our Technology, Our Democracy, Ourselves
University of Missouri, Honors College and Office of the Provost.
April 2025.
30. AI 101: Introduction to Carceral Software (AI) and Generative AI
AI Factor: Defending Clients in the Digital Age
Maryland Criminal Defense Attorneys Association.
March 2025.
29. [“Policy, Legal, and Regulatory Issues in AI Autonomous Software Agents”](#) [Video]
Panelist.
Artificial Intelligence, Autonomous Systems, and Law.
Silicon Flatirons Center for Law, Technology, & Entrepreneurship
University of Colorado Law School
March 2025.
28. “Litigating AI-Generated Child Sex Abuse Material: Technical and Legal Challenges”
77th AAFS Annual Scientific Conference.
American Academy of Forensic Science.
February 2025.
27. “Is It a Transformation? Is It Tyranny? Is It Even Cost Effective?
The Value of Independent Software Testing Your Technology”
77th AAFS Annual Scientific Conference.
American Academy of Forensic Science.
February 2025.

26. “Transunion’s Effect on Standing in Data Privacy Cases: An Empirical Study of Federal Appellate Law, 2021-2023” by Kristin Oakley and Emma Ritter Gordon
Commentator.
Privacy Law Scholars Conference.
Georgetown University Law Center.
May 2024.
25. Digital Forensics in Public Defense
Panelist.
Rights over Tech
NYU School of Law
March 2024.
24. Strengthening Forensic Science Through Independent Verification and Validation: The Path Forward.
[*74th AAFS Annual Scientific Conference.*](#)
American Academy of Forensic Science.
February 2022.
23. [Regulation, Audits, and Setting Standards/Kitemarks in AI](#) [Video]
Panelist.
Validate AI Conference.
Validate AI and Southampton University (UK).
December 2021.
22. Capturing Societal Benefits while Addressing Ethical Concerns of Autonomous Last Mile Delivery
Panelist.
Science and Technology Forum and Exposition 2021 (SciTech 2021)
American Institute for Aeronautics and Astronautics (AIAA)
January 2021.
21. [The search for the Unicorn: Is there such a thing as a unified, values-driven, evidence-based AI governance framework?](#) [Video] [Report]
Moderator
The Athens Roundtable on Artificial Intelligence and the Rule of Law
IEEE Standards Association, The Future Society, and ELONtech
November 2020.
20. [COVID-19 Contact Tracing Apps: Privacy and Public Health in the Coronavirus Age](#)
Moderator.
NYU Rights over Tech.
May 2020.

19. [Testimony re: “Oversight - Follow up on Local Law 49 of 2018 in Relation to Automated Decision Systems Used by Agencies” \[Video\]](#)
New York City Council, Committee on Technology
New York, NY, January 2020.
18. Pre-Trial Detention/Risk Assessment
Session Leader.
Automating Bias: How Computers Are Making Decisions About Your Life.
NAACP LDF and Co-Partners.
New York, NY, 2019.
17. [Law & Tech](#)
Panelist.
All Tech is Human NYC.
All Tech is Human.
New York, NY, November 2019.
16. Lessons from the Hill
Panelist.
NYU Journal of Legislation and Public Policy.
New York, NY, October 2019.
15. Automation, Robotics, Artificial Intelligence and the Future of Work
Panelist.
60th Constitutional Convention.
Texas AFL-CIO.
San Antonio, TX, July 2019.
13. [Autonomous Systems and Domestic Security](#)
Panelist.
Security and the Autonomous Future.
Pennsylvania State University Center for Security Research and Education and
Pennsylvania State Journal of Law and International Affairs.
University Park, PA, April 2019.
12. [Framing Human-Automation Governance: A New Modus Operandi from Cognitive Engineering](#)
Panelist.
(with Matthew Miller, Yosef Razin, Rachel Haga, Dev Minotra, and Raunak Bhattacharyya).
WeRobot 2017.
Yale Law School.
New Haven, CT, April 2017.
11. [Mathematical Representations of Human Judgment and Decision Making in Military Contexts](#)

(with Karen Feigh and Rachel Haga).
Emerging Techniques Special Meeting.
Military Operations Research Society.
Washington, D.C., December 2016.

10. A General Linear Model of Fast-and-Frugal Judgment and Decision Making
Poster Presentation.
Summer Institute on Bounded Rationality.
Max Planck Institute for Human Development.
Berlin, Germany, July 2016.
9. “The Necessary and Sufficient Conditions for Graduate School Success.”
Invited speaker.
2016 FOCUS Program Dinner.
Georgia Institute of Technology.
Atlanta, GA, January 2016.
8. Toward Meaningful Human Control of Autonomous Weapons Systems through Function Allocation.
Presenter.
(with Rachel A. Haga).
IEEE International Symposium on Technology and Society (ISTAS).
Dublin, Ireland, November 2015.
7. Heuristic Decision Making with Incomplete Information: Conditions for Ecological Rationality.
IEEE Systems, Man, and Cybernetics International Conference (SMC).
(with Karen Feigh).
San Diego, CA, November 2015.
6. Accuracy and Effort of Decision Making with Incomplete Information.
IEEE International Inter-Disciplinary Conference on Cognitive Methods in Situation Awareness and Decision Support (CogSIMA).
(with Karen Feigh and Zarrin K. Chua).
San Antonio, TX, March 2014.
5. “Building Your Morals.”
Keynote Speaker.
Show-Me Scholars Luncheon.
University of Missouri, Columbia, MO, 2014.
4. Accuracy and Effort of Dynamic Decision Making with Incomplete Information.
Brown Bag Lunch Lecture Series.
Georgia Institute of Technology, School of Aerospace Engineering, Atlanta, GA,
October 2013.

3. [Review and Development of Planetocentric Reference Frames to Model the Flyby Anomaly.](#)
McNair Scholars Conference.
(with Sergei Kopeikin).
University of Missouri, Columbia, MO, April 2012.
2. “Mastering the Fellowships Game.”
MU Excels 2012.
University of Missouri, Columbia, MO, 2012.
1. [At Wheel Stop: A Review of the U.S. Human Space Exploration Policy.](#)
Review of the 2011 Washington Internships for Students of Engineering (WISE) Program.
Washington, D.C., August 2011.

FEATURES & PROFILES

12. [Mizzou Engineering alumnus brings critical eye to justice](#)
University of Missouri, College of Engineering.
May 14, 2025.
11. [Marc Canellas has Built a Career Advocating for Others](#)
University of Missouri, Honors College.
April 1, 2025.
10. [Previously unusable DNA sample now evidence in the quadruple murder trial of N.J. uncle](#)
NBC News.
Dec. 27, 2024.
9. [AI Put on Trial in ‘Life or Death’ Police Tech Clashes](#)
Bloomberg Law.
October 4, 2024.
8. [Fighting for What’s Right: An Interview with Marc Canellas](#)
IEEE Software.
March 2024.
7. [Leading Edge](#)
NYU Law School’s Annual Magazine
September 2019.
6. [Security center explores the ‘Autonomous Future’ through interdisciplinary lens](#)
Penn State News.
August 2019.
5. [2017-2018 Government Fellowships: A Formative Experience](#)
IEEE-USA InSight Magazine.

October 2018.

4. [US House White Paper Calls for AI Development, Restraint in Federal Regulations](#)
LegalTech News
October 2018.
3. [Encouraging Transparency and Accountability, Advocates Push Governments to Confront Machine Bias](#)
LegalTech News.
August 2018.
2. [Tech in DC: Intersecting Science and Policy](#)
Georgia Tech News Center.
August 2017.
1. [When Cognitive Engineering Meets Public Policy](#)
Georgia Tech News Center.
July 2017.

PROFESSIONAL ACTIVITIES	Institute for Electrical and Electronics Engineers (IEEE)	2014–present
	<i>Senior Member</i> (approximately top 8% of members)	2025–present
	<i>Member</i>	2014–2025
	<u>IEEE-USA Government Fellows Committee</u>	2025–present
	<i>Member</i>	
	IEEE Standards Association 1012 Standard for System, Software, and Hardware Verification and Validation	2024–present
	<i>Member</i>	
	<u>IEEE-USA Artificial Intelligence Policy Committee</u>	2016–present
	<i>Advisory Board</i>	2025–present
	<i>Chair</i>	2020–2021
	<i>Vice-Chair</i>	2018–2020
	<i>Member</i>	2016–present
	IEEE-USA Government Relations Committee	2020–2021
	<i>Member</i>	
	ASTM International	2025–present
	<i>Member</i>	
	ASTM Committee E30 on Forensic Sciences	2025–present
	<i>Member</i>	
	International Workers of the World (IWW)	2022–2023

Fredericksburg, Virginia, Branch
Public Workers for Indigent Defense (PWID)
Delegate, Arlington County

Arlington County Bar Association (ACBA)	2022–2023
Secretary	2022–2023
Member	2022–2023

AAAS Science & Technology Policy Fellows Rapid Response Cohort in Artificial Intelligence	2023
Selection Committee	

Fairware '22: International Workshop on Equitable Data & Technology	2022
<i>Co-Located with the International Conference on Software Engineering</i>	
Program Committee	

American Bar Association, AI Legal Ethics Working Group	2020
<i>Chair, Controls and Oversight Committee</i>	

Open Source Elections Technology (OSET) Institute	2018
<i>Contributing Election Technology and Policy Analyst</i>	

BAR ADMISSION	Maryland (Rule 19-218)	2024–present
	Virginia	2021–present

MEMBERSHIP	IEEE	2014–present
	IEEE Standards Association	2024–present
	ASTM International	2025–present

PEER REVIEWER	Behavior Research Methods
	Communications of the ACM
	Frontiers in Big Data
	IEEE Access
	IEEE Computer
	IEEE Transactions on Automation Science and Engineering
	IEEE Transactions on Human-Machine Systems
Nature Human Behavior	

GRANTS	1. Proactive Decision Support through Information Modification
	Grant #: N00014-17-1-3009
	\$384,709 over 3 Years
	Office of Naval Research, Command Decision making Program, Code 34
	PI: Karen Feigh