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Fiscal Year 2019

Annual Report of the

ACM U.S. Technology Policy Committee

*For the Period July 1, 2018 – June 30, 2019*

Submitted by

James Hendler, Chair

FY 2019

**FY 2019 ANNUAL REPORT
Fiscal Year 2019 Annual Report of**

**the ACM U.S. Technology Policy Committee**

**Association for Computing Machinery for the**

**Period of July 1, 2018 – June 30, 2019**

# Basic Information

Formerly the ACM U.S. Policy Council (USACM), the Association’s U.S. Technology Policy Committee

(USTPC) is chartered as the focal point for ACM's interaction with U.S. government organizations, the computing community, and the U.S. public in all matters of U.S. public policy related to information technology and computing *except* education and workforce issues. The change in USTPC’s structure and name was effectuated in July of 2018 with the creation by the ACM Council of a global Technology Policy Council (TPC), chartered to “set the agenda for ACM’s global policy activities. . . [and] work with the committees under its auspices to help establish and monitor the agenda for regional policy activities.” USTPC remains authorized to take policy positions in the same manner that USACM was (now pursuant to administratively revised Operating Procedures rather than Bylaws) and continues to maintain a systematic process for the development, review, and approval of such policy positions. These positions reflect the analysis of USTPC and not necessarily that of ACM.

## Leadership

USTPC is guided, and its formal positions determined, by a small executive group and/or larger Secretariat, which includes a Chair, Vice Chair, six At Large members, and all former chairs of USTPC. The Chair of the Europe Technology Policy Committee, and ACM’s CEO and Global Policy Director, also serve as non-voting ex officio members of the Committee. The ACM President appoints the USTPC Chair for a term of two years, beginning July 1 in even-numbered years. The ACM President may appoint Co‑Chairs. The USTPC Chair, in consultation with the ACM President, appoints the Vice Chair or Co-Vice Chairs. The USTPC Executive Secretariat is composed of the Chair, Vice Chair, Immediate Past Chair, and four additional USTPC Secretariat members selected by the Chair, as well as all ex officio members. After changes in the occupancy of several positions and an elec­tion for At-Large members during FY19 (*see* Note below), the composition of the Committee’s leadership upon publication of this Report is:

**EXECUTIVE SECRETARIAT**

Jim Hendler, Chair

Jeremy Epstein, Vice Chair

Andy Grosso

Harry Hochheiser

Jeanna Matthews

Stuart Shapiro, Immediate Past Chair

Alec Yasinsac

*Vacant*

**SECRETARIAT**

**ACM President-Appointed and Permanent Members**

Jim Hendler (Chair)

Stuart Shapiro (Immediate Past Chair)\*

Eugene Spafford (Past Chair)\*

Chuck Brownstein (Past Chair)\*

Barbara Simons (Past Chair)\*

**USTPC Chair-Appointed Vice & Subcommittee Chairs**

|  |  |
| --- | --- |
| Jeremy Epstein (USTPC Vice Chair)Harry Hochheiser (Accessibility)Jeanna Matthews (Artificial Intelligence) Jonathan Smith (Artificial Intelligence) *Vacant* (Digital Governance) | Paul Hyland (Intellectual Property)Andrew Grosso (Law)Brian Dean (Privacy)Alec Yasinsac (Security)Barbara Simons (Voting)\* |

**Membership-Elected At Large Members**

|  |  |
| --- | --- |
| Jean Camp\*\*\*Cory Doctorow\*\* Simson Garfinkel\*\*\* | Meg Leta Jones\*\*Lorraine Kisselburgh\*\* *(see Notes below)*John Murray\*\*\* |

**Ex Officio Members of Executive Secretariat and Secretariat**

|  |  |
| --- | --- |
| Cherri Pancake, ACM PresidentLorraine Kisselburgh, TPC ChairOliver Grau, Europe TPC Chair | Vicki Hanson, ACM CEO and Executive DirectorAdam Eisgrau, ACM Global Policy Director |

**Notes:**

In April 2019, USTPC members re-elected Lorraine Kisselburgh and Meg Leta Jones, and elected Cory Doctorow, to serve as At Large members of the Secretariat for two-year terms ending 12/31/20. Upon appointment by ACM President Cherri Pancake to Chair the ACM global Technology Policy Council, Lorraine Kisselburgh stepped down from her voting USTPC leadership positions effective at the end of FY 2019. A list of all FY 2019 USTPC members is provided in Appendix I.

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 \* Permanent member as full Committee Past Chair

 \*\*  Term expires end calendar 2020

\*\*\*  Term expires end calendar 2019

## Purpose

The ACM U.S. Technology Policy Committee is chartered as the focal point for ACM's interaction with U.S. government organizations, the computing community, and the U.S. public in all matters of U.S. public policy related to information technology. USTPC educates the public, policymakers, and the community about public policy issues that affect the development of technology or where technology influences policy issues to better inform policy decisions.

USTPC’s contributions to public policy are drawn from the deep technical expertise of the computing community. USTPC applies this technical knowledge to bring relevant scientific research, best practices, perspective, and foresight about computing and innovation to public policy issues. USTPC seeks consen­sus policy positions that are firmly grounded in scientific or technology knowledge and which take into account the diverse interests of ACM membership and the computing field.

## Working Groups and Subcommittees

Pursuant to action of the Secretariat, formal working groups on Big Data and the Internet of Things were disbanded effective in FY 2019, while the Working Group on Artificial Intelligence became a new Subcommittee on “Artificial Intelligence & Algorithmic Accountability.” (Working Groups, created for temporary or exploratory purposes, at some point either become subcom­mittees of USTPC or are wound down. Working Group Chairs are not automatically members of the USTPC Secretariat.) In FY 2019, USTPC members thus participated in the work of eight standing Subcommittees:

**Accessibility -** Harry Hochheiser, Chair

The AI Subcommittee strives to advance public policies, practices, and research in usability, AI, and accessible technologies.

**AI & Algorithmic Accountability -** Chairs: Simson Garfinkel, Jeanna Matthews, Jonathan Smith

The Artificial Intelligence and Accountability Subcommittee monitors developments in the burgeoning constellation of fields broadly identified as related to Artificial Intelligence with an emphasis on early identification of the potential policy implications of emerging technologies and new research.

**Digital Governance –** Chris Bronk, Chair (*partial year*)

The Digital Governance Subcommittee addresses online operations of government and the sustainable development of the Internet.

**Intellectual Property** - Paul Hyland, Chair

​The Intellectual Property Subcommittee works to ensure that public policies related to patents and copyright promote innovation and balance the legitimate interests of inventors and creators with those of consumers and the public.

**Law -** Andrew Grosso, Chair

The Law Subcommittee is dedicated to monitoring the legal landscape for developments that affect computing policy.

**Privacy -** Brian Dean, Chair

The Privacy Subcommittee seeks to facilitate a greater understanding of the issues at the intersection of privacy and technology.

**Security -**  Alec Yasinsac, Chair

The Security Subcommittee promotes the embodiment of security in computing and computing-related infrastructures and seeks to contribute to policy solutions that foster secure, stable, robust, and trustworthy computing environments.

**Voting -** Barbara Simons, Chair

The Voting Subcommittee works to encourage policies that support the security, reliability, accuracy, accessibility, usability, and verifiability of public elections.

## Meetings

The USTPC Secretariat met from the evening of Sunday, May 5 through midday on Tuesday May 7, 2019, in Rosslyn, Virginia just outside Washington, DC to review policy activities and to deter­mine priorities for the year ahead. The meeting featured: extended strategy discussions on focusing USTPC’s issues of primary interest, leveraging existing and new relationships with other organizations, and reinforcing and otherwise enhancing ACM and USTPC’s reputation among policy makers as a trusted and neutral source of information on critical technology policy matters.

The meeting also included a working dinner and discussion of AI’s policy dimensions. Speakers and discussion leaders for that event were Dr. Larry Medsker (Professor of Physics at the George Washington University and SIGAI Policy Committee Chair and former software industry lobbyist Mark MacCarthy (of Georgetown University’s master’s program in Communication, Culture & Technology).

USTPC otherwise operates mainly through listserv discussions among the members. In addition to the main listserv for all members, each subcommittee and working group operates a listserv to keep its members informed of policy activities, events, policy engagement opportunities, and relevant information. Some standing committees hold periodic conference calls to discuss action and progress on specific policy projects.

# PrINCIPAL FY 2019 USTPC ACTIVITIES AND POLICY PRODUCTS

USTPC continued to make significant progress this year in delivering on its mission to educate and inform policy leaders, ACM members, the computing community, and the public about U.S. policy issues related to information technology and computing. In sum, USTPC submitted eight public comments to federal agencies, briefed Congressional staff, wrote three times to senior members of Congress, issued a joint report with three other organizations, and jointly petitioned the White House’s Office of Science and Technology Policy. USTPC also raised awareness of public policy issues through social media, press releases, “OpEds” by member leaders, and other outreach. Specifically, USTPC submitted or released the following principal comments and statements (available for download on the USTPC website at [www.acm.org/public-policy/public-policy-statements](http://www.acm.org/public-policy/public-policy-statements)):

* [Comments to Food and Drug Administration on AI-Augmented Software as a Medical Device Discussion Paper](https://www.acm.org/binaries/content/assets/public-policy/ustpc-comments-fda-software-based-device-safety-060319.pdf) (June 3, 2019)\*
* [Comments on Computing Community Consortium’s Draft of 20-Year Roadmap for Artificial Intelligence Research in the U.S](https://www.acm.org/binaries/content/assets/public-policy/ustpc-comments-ccc-ai-roadmap053019.pdf). (May 30, 2019)

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\* This document was the product of a working group of USTPC members. See Appendix B for additional detail.

* [Comments on U.S. Election Assistance Commission's Voluntary Voting System Guidelines, Version 2.0](https://www.acm.org/binaries/content/assets/public-policy/ustpc-comments-voluntary-voting-system-guidelines-052919.pdf) (May 29, 2019)
* [Comments to National Institute of Standards and Technology on Developing a Privacy Framework](https://www.acm.org/binaries/content/assets/public-policy/developing-a-privacy-framework-comments) (January 14, 2019)
* [Joint Comments to Dept. of Commerce Bureau of Industry Security on Emerging Technology Export Controls](https://www.acm.org/binaries/content/assets/public-policy/cra-bis-export-control-comments.pdf) (January 10, 2019)
* [Comments to U.S. Commerce Department and Bureau of the Census on Revision of the National Data Strategy (Phase 2)](https://www.acm.org/binaries/content/assets/public-policy/ustpc-natl-data-strategy-comments-111618.pdf) (November 16, 2018)
* [Comments to NTIA re: Developing the Administration’s Approach to Consumer Privacy](https://www.acm.org/binaries/content/assets/public-policy/ustpc_commentsntiaconsumerprivacy.pdf) (November 8, 2018)
* [Comments to NSF re: Revision of the 2016 National Artificial Intelligence R&D Strategic Plan](https://www.acm.org/binaries/content/assets/public-policy/ustpc_airdstrategycomments.pdf) (October 26, 2018)
* [Joint Letter to NSF](https://www.acm.org/binaries/content/assets/public-policy/jtstatementnationalaird.pdf) Endorsing Comments of the [Computing Community Consortium on Revision of the 2016 National Artificial Intelligence R&D Strategic Plan](https://www.acm.org/binaries/content/assets/public-policy/ccc-response-airfi-2.pdf) (October 26, 2018)
* [Joint Report on Email and Internet Voting: The Overlooked Threat to Election Security](https://www.acm.org/binaries/content/assets/public-policy/jtreportemailinternetvoting.pdf) (October 10, 2018)**\*\***
* [Joint Letter to Senate Judiciary Committee Leaders Urging Rapid Action to Fill Vacancies on Privacy & Civil Liberties Oversight Board](https://www.acm.org/binaries/content/assets/public-policy/ngo-pclob-ltr-082918.pdf) (August 29, 2018)
* [Joint Petition to White House Office of Science & Technology Policy Requesting Mechanism for Public Input on Development of National Artificial Intelligence Policy](https://www.acm.org/binaries/content/assets/public-policy/ostp-ai-petition-070418.pdf) (July 4, 2018)
* [Letter to U.S. Senate re: “Recommendations and Call for Action to Address Data Privacy Risks and harms Revealed by Facebook/Cambridge Analytica Inquiries”](https://www.acm.org/binaries/content/assets/public-policy/usacm/usacm_senate_facebook_hearing_statement_transmittal.pdf) (July 2, 2018)\*\*\*

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 **\*** USTPC’s comments to the EAC calling for a ban on all internet connectivity in voting and voting-related processes was the lead story on May 29, 2019 in *Politico’s* widely read *Morning Cybersecurity* online bulletin. An OpEd by USTPC Vice Chair Jeremy Epstein urging the same categorical ban appeared in *The Hill* on the same date (see section 2.1, below).

 **\*\*** Efforts by the ACM Communications Office, together with those of co-authoring organizations, resul­ted in substantial policy and mainstream press coverage of this Report. Facilitated by a day-of-release tele­phone press conference, in which USTPC was represented by Vice Chair Jeremy Epstein, such coverage appeared in and on (among other outlets): *Bloomberg/BNA*; *The Hill*, *Fast Company*, multiple McClatchy Newspapers; *Newsweek*; *NextGov*, *Politico*; and WLWT-TV Cincinnati. Subsequently, Epstein also was interviewed indivi­dually.

\*\*\* This document, and an FY2018 submission made in April 2018, were the product of a working group of USTPC members co-chaired by Privacy Subcommittee Chair Brian Dean and USTPC Secretariat member Lorraine Kisselburgh. See Appendix F for additional detail.

## Additional Activities and Outcomes of Note

In addition to the formal Committee policy documents identified above, the following activities and outputs of individual USTPC members also advanced the Committee’s mission:

* “[Russia hacked us: We made it far too easy — and still do](https://thehill.com/opinion/cybersecurity/445746-russia-hacked-us-we-made-it-far-too-easy-and-still-do)*,*” *The Hill* (May 29, 2019), OpEd by USTPC Vice Chair Jeremy Epstein;
* “[Drafting the NIST Privacy Framework: Workshop #2](https://www.nist.gov/news-events/events/2019/05/drafting-nist-privacy-framework-workshop-2),” Atlanta, GA (May 13-14, 2019), USTPC represented by Secretariat member Lorraine Kisselburgh;
* Telephone briefing on “deep fakes” technology for senior staff of House Science Committee Subcom­mittee on Research and Technology (October 19, 2018), conducted by USTPC member Nicholas Diakopoulos of Northwestern University and USTPC Chair Jim Hendler; and
* Politico’s “[AI Summit: Innovation & Governance](https://www.politico.com/live-events/2018/07/27/ai-summit-innovation-governance-745131),” Washington, DC (September 27, 2018), USTPC members Danny Weitzner and Larry Medsker (previously identified above) and ACM member expert Christopher Clifton of Purdue University selected as invitation-only roundtable participants.

# Plans for FISCAL YEAR 2020

USTPC will continue its work to engage with current ACM members and to connect with other ACM groups. Possible new projects for the standing committees are described within the committee reports in the appendices. USTPC will continue to engage with and monitor various multistakeholder partnerships and forums, as well as to look for ways to collaborate with ACM’s newly constituted global Technology Policy Council (TPC), Committee on Professional Ethics, Special Interest Groups, and other ACM entities.

In particular, USTPC also will work with ACM’s Europe Technology Policy Committee to identify issue areas of common concern that they may address jointly and through the ACM Technology Policy Council (TPC). In addition, USTPC will continue to pursue opportuni­ties to collaborate with other organizations to strengthen our efforts to educate and inform policy leaders and deepen our impact and influence in U.S. public policy.

**Policy Articles by USTPC Members**

USTPC will continue encourage members to author articles and opinion pieces on “hot topic” issues at the intersection of technology and policy for ACM publications, ACM-sponsored publica­tions and the media. USTPC will develop and implement procedures by which the articles might be USTPC branded or officially adopted as reflecting the views of USTPC.

**Coordination with ACM Technology Policy Council**

USTPC will work closely in its inaugural year of active operation with ACM’s global Technology Policy Council, and ACM’s Europe Technology Policy Committee, to further ACM’s policy objectives.

**Streamline U.S. Policy Committees Structures and Processes**

Having converted the former USACM Bylaws to USTPC Operating Procedures consistent with USTPC’s status as a Committee of the global TPC, USTPC’s Chair anticipates for FY 2020 discussion, and potential adoption, of further substantive changes to the Operating Procedures to streamline USTPC’s membership processes, subcommittee structure, and enhance member recruitment and policy document production practices.

**Produce Briefing Materials Regarding ACM and USTPC Resources for Policy Makers**

The Policy Director will develop new short briefing doc­u­ments intended to establish higher awareness of ACM and USTPC members’ availability to serve as expert and politically neutral, non-partisan resources for lawmakers.

**Further Enhance USTPC Web and Social Media Materials and Impact**

The Committee undertook and substantially completed a comprehensive review and “refresh” of all policy-related ACM web pages and asso­ciated resources in FY 2019 in collaboration with the staff of ACM headquarters and the Europe TPC. USTPC will unveil those updated policy-related web pages early in Q1 of FY 2020 and continue efforts to further enhance the design and content of ACM’s public policy-oriented web pages. The ongoing goal of such efforts will remain being of maximum utility to key constituencies, including particularly: policy makers and their staffs, ACM members most engaged in policy work, and policy-focused media and journalists. Similar efforts will be undertaken to maximize the effectiveness of ACM’s public policy presence on social media with these primary audiences.

**Participate in the ACM Technology Policy Council**

USTPC’s Chair is a voting member of ACM’s global Technology Policy Council (TPC). In that capa­city, Jim Hendler will collaborate closely with former USTPC member and TPC Chair Lorraine Kisselburgh to define the Council’s goals and policy work products in FY2020, its first year of operation. Initially, at Dr. Kisselburgh’s request, USTPC will nominate one or more USTPC members to represent the Committee on the TPC’s Tech Briefs Committee.

APPENDICES

Appendix A: Accessibility Subcommittee……………………………………………………………………………………………….

Appendix B: AI and Algorithmic Accountability Subcommittee

Appendix C: Digital Governance Subcommittee

Appendix D: Intellectual Property Subcommittee

Appendix E: Law Subcommittee

Appendix F: Privacy Subcommittee

Appendix G: Security Subcommittee

Appendix H: Voting Subcommittee

Appendix I: USTPC Membership

Appendix A

**ANNUAL REPORT**

**ACCESSIBILITY SUBCOMMITTEE
ACM U.S. TECHNOLOGY POLICY COMMITTEE
JULY 1, 2018 - JUNE 30, 2019**

**HARRY HOCHHEISER, CHAIR**

# BASIC INFORMATION

## Accessibility Subcommittee Members

|  |  |
| --- | --- |
| Harry Hochheiser (Chair)Ben BedersonTravis BreauxVint CerfJim CohoonGeoff CohenLillie ConeyJames EllmoreDave FarberStuart FeldmanJuan GilbertDon GotterbarnSarah GrangerJuan Pablo Hourcade | Chuck HouseDouglas JonesJuan Miguel de JoyaJonathan LazarClayton LewisLarry MedskerAndy OramBarbara OwensDavid RobinsonAndrew SearsBen ShneidermanOllie SmootEmil Volchek*plus all members of USTPC Secretariat* |

## Purpose of the Accessibility Subcommittee

The Accessibility Subcommittee strives to advance public policies, practices, and research in usability, accessibility, and accessible technologies.

## Accessibility Subcommittee Meetings

Subcommittee business is conducted by listserv discussions.

# PROJECT SUMMARY

The [Statement on Accessibility, Usability, and Digital Inclusiveness](https://www.acm.org/binaries/content/assets/public-policy/2017_usacm_statement_accessibility.pdf), published in September of 2017, remains the Subcommittee’s most recent policy product.

## Proposed Projects

The Subcommittee will continue to monitor policy developments and will continue its efforts to work collaboratively with and support the work of other USTPC Subcommittees and working groups.

**ACCESSIBILITY SUBCOMMITTEE CONTACT**

Name: Harry Hochheiser

 Position: Chair

 Email: hshoch@gmail.com

Appendix B

**ANNUAL REPORT**

**ARTIFICIAL INTELLIGENCE AND**

**ALGORITHMIC ACCOUNTABILITY (“AI”) SUBCOMMITTEE
ACM U.S. TECHNOLOGY POLICY COMMITTEE
JULY 1, 2018 - JUNE 30, 2019**

**CO-CHAIRS: SIMSON GARFINKEL, JEANNA MATTHEWS, JONATHAN SMITH**

# BASIC INFORMATION

## AI Subcommittee Members

|  |  |
| --- | --- |
| Simson Garfinkel (Co-Chair)Jeanna Matthews (Co-Chair)Jonathan Smith (Co-Chair)Rediet Abebe Ricardo Baeza-YatesSteve BilowNicolas ChristinGeoff CohenRachel CummingsNicholas Diakopoulos Kathy Fontaine Sorelle Friedler Juan E Gilbert Sarah Granger | Juan Miguel de Joya Cem KanerRao MannepalliLarry MedskerAndy Oram Jonathon PhillipsAlan Rea Brendan Roach Arnon RosenthalMarc RotenbergAri SchlesingerBen ShneidermanAaron TeminDaniel Weitzner*plus all members of the USTPC Secretariat* |

## Purpose of the AI Subcommittee

The AI Subcommittee strives to advance public policies, practices, and research in usability, AI, and accessible technologies.

## AI Subcommittee Meetings

Subcommittee business is conducted by listserv discussions.

# PROJECT SUMMARY

The Subcommittee, its members and other ACM member experts contributed in FY 2019 to:

* [Comments to Food and Drug Administration on AI-Augmented Software as a Medical Device Discussion Paper](https://www.acm.org/binaries/content/assets/public-policy/ustpc-comments-fda-software-based-device-safety-060319.pdf) (June 3, 2019)\*
* [Comments on Computing Community Consortium’s Draft of 20-Year Roadmap for Artificial Intelligence Research in the US](https://www.acm.org/binaries/content/assets/public-policy/ustpc-comments-ccc-ai-roadmap053019.pdf) (May 30, 2019)

* [Joint Comments to Dept. of Commerce Bureau of Industry Security on Emerging Technology Export Controls](https://www.acm.org/binaries/content/assets/public-policy/cra-bis-export-control-comments.pdf), ACM U.S. Technology Policy Committee (January 10, 2019)
* [Comments to NSF re: Revision of the 2016 National Artificial Intelligence R&D Strategic Plan](https://www.acm.org/binaries/content/assets/public-policy/ustpc_airdstrategycomments.pdf) (October 26, 2018)
* [Joint Letter to NSF](https://www.acm.org/binaries/content/assets/public-policy/jtstatementnationalaird.pdf) Endorsing Comments of the [Computing Community Consortium on Revision of the 2016 National Artificial Intelligence R&D Strategic Plan](https://www.acm.org/binaries/content/assets/public-policy/ccc-response-airfi-2.pdf) (October 26, 2018)

# PROPOSED PROJECTS

**Briefing Materials on Algorithms**

USTPC will develop in-depth materials on algorithms and related topics. The materials will identify and describe the technical underpinnings of algorithmic models in a way that is easily understood by non-technical audiences. The goal of these materials is for USTPC to take the lead addressing the technical aspects of algorithms and to have content prepared for media inquiries and policymakers. The briefing materials will support future policy events.

**Policy Event – Technical Congressional Briefing on Algorithms**

This briefing will be geared towards federal officials and Congressional staff. The goal of these briefing will be to communicate the principles and further the policy discussions. The briefing materials will support this event.

The Subcommittee also will continue to monitor policy developments and its efforts to work collab­or­atively with, and support the work of, other USTPC Subcommittees and working groups.

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\* This document was the product of a working group of AI Subcommittee members comprised of: James Hendler, Harry Hochheiser, Juan Miguel de Joya, Lorraine Kisselburgh, Andy Oram, Arnon S. Rosenthal, and ACM member expert Shahid N. Shah

**AI SUBCOMMITTEE CONTACTS**

Name: Simson Garfinkel (*partial year*)\*

Position: Co-Chair

 Email: simsong@acm.org

Name: Jeanna Matthews

Position: Co-Chair

 Email: jnm@clarkson.edu

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\* Simson Garfinkel stepped down from co-chairmanship of the Subcommittee upon election as an At Large member of the USTPC Secretariat in April of 2019.

Name: Jonathan Smith

Position: Co-Chair

 Email: jms@cis.upenn.edu

Appendix C

**ANNUAL REPORT**

**DIGITAL GOVERNANCE SUBCOMMITTEE
ACM U.S. TECHNOLOGY POLICY SUBCOMMITTEE**

**JULY 1, 2018 - JUNE 30, 2019**

**CHRIS BRONK, CHAIR *(partial year, retired)***

# BASIC INFORMATION

## Digital Governance Subcommittee Members

|  |  |
| --- | --- |
| Chris Bronk (Chair) Rediet AbebeJeremy BarksdaleSteve BilowTravis BreauxEric BurgerVint CerfJeff CohenLillie ConeyNicholas DiakopolousWilliam DoaneDave FarberStuart FeldmanKathy FontaineSorelle FriedlerJuan GilbertDon GotterbarnSarah GrangerMark P. HahnDouglas Jones | Juan Miguel de JoyaJonathan LazarSamuel LilesRao MannepalliAaron MasseyAndy OramBarbara OwensAlan ReaBrendan RoachDavid RobinsonArnie RosenthalBen ShneidermanDoug SchulerOllie SmootAaron TeminJaideep VaidyaEmil Volchek*plus all members of the* *USTPC Secretariat* |

## Purpose of the Digital Governance Subcommittee

The Digital Governance Subcommittee is interested in policies and technologies that can facilitate the online operations of government, citizen participation in government, and the sustainable development of the Internet.

## Digital Governance Subcommittee Meetings

Subcommittee business is conducted by listserv discussions.

# PROJECT SUMMARY – N/A

# Plans

## Proposed Projects

None pending. Pending appointment of a new Chair, the Subcommittee’s agenda is in process.

**DIGITAL GOVERNANCE SUBCOMMITTEE CONTACT**

Name: *Vacant*

 Position: Chair

 Email: n/a

Appendix D

**ANNUAL REPORT**

**INTELLECTUAL PROPERTY SUBCOMMITTEE**

**ACM U.S. TECHNOLOGY POLICY SUBCOMMITTEE**

**JULY 1, 2018 - JUNE 30, 2019**

**PAUL HYLAND, CHAIR**

# BASIC INFORMATION

## Intellectual Property Subcommittee Members

|  |  |
| --- | --- |
| Paul Hyland (Chair)Jeremy BarksdaleTravis BreauxChris Bronk Eric BurgerVint CerfGeoff CohenLillie ConeyCory DoctorowDave FarberStuart FeldmanMiles FidelmanKathy FontaineJuan E. GilbertSarah GrangerBarbara HelferLee Hollaar | Chuck HousePaul JacobsDouglas JonesJuan Miguel de JoyaCem KanerAndy OramBarbara OwensGarry PaxinosAlan ReaDavid RobinsonPam SamuelsonOllie SmootBhavani ThuraisinghamEmil VolcheckDavid WiseChristopher Yoo*plus all members of USTPC Secretariat* |

## Purpose of the Intellectual Property Subcommittee

​The Intellectual Property Subcommittee works to ensure that public policies related to patents and copyright promote innovation and balance the legitimate interests of inventors and creators with those of consumers and the public.

## Intellectual Property Subcommittee Meetings

Subcommittee business is conducted by listserv discussions.

# PROJECT SUMMARY

The Subcommittee’s most recent policy product remains [Comments to the U.S. Copyright Office](https://www.acm.org/binaries/content/assets/public-policy/usacm/privacy-and-security/cybersecurity/usacm_shortform_1201_comment_2018.pdf) in support of a computer security research exemption to the prohibitions against circumvention of copyright protection technology, as outlined in Section 1201 of the Digital Millennium Copy­right Act (DMCA). The Section 1201 exemptions process has recently been streamlined, in response to a study to which the Subcommittee also contributed.

# Plans

## Proposed Projects

**USTPC Statement on Intellectual Property**

The USTPC Intellectual Property Subcommittee will update their policy principles and incorporate those principles into a statement.

**U.S. Department of Commerce Internet Policy Task Force Multistakeholder Forums**

The Subcommittee will continue to monitor and engage in multistakeholder forums convened to identify and develop voluntary approaches to improve the implementation of copyright law in digital environments.

**INTELLECTUAL PROPERTY SUBCOMMITTEE CONTACT**

                        Name:   Paul Hyland

                        Position: Chair

           Email:   paul@paulhyland.com

Appendix E

**ANNUAL REPORT**

**LAW SUBCOMMITTEE**

**ACM U.S. TECHNOLOGY POLICY SUBCOMMITTEE**

**JULY 1, 2018 - JUNE 30, 2019**

**ANDREW GROSSO, CHAIR**

# BASIC INFORMATION

## Law Subcommittee Members

|  |  |
| --- | --- |
| Andrew Grosso (Chair)Jason BakerJeremy BarksdaleSteve BellovinVint CerfGeoff CohenLillie ConeyWilliam DoaneCory DoctorowDave FarberStuart FeldmanMiles FidelmanJuan E. GilbertSarah GrangerJames GrimmelmannLance HoffmanLee HollaarDouglas JonesJuan Miguel de JoyaCem Kaner | Vince Lipsio Aaron MasseyJames MoodyArvind NarayananAndy OramPaul OttoGarry PaxinosRalph Spencer PooreMark RaschAlan ReaChris RobertsDavid RobinsonAnthony RuoccoPam SamuelsonAri Schlesinger Ollie SmootEmil VolcheckDavid WiseChristopher YooJessica Young*plus all members of USTPC Secretariat* |

## Purpose of the Law Subcommittee

The Subcommittee works within the broader USTPC framework. The Subcommittee is dedicated to monitoring the federal legal landscape that affects computing policy issues and ensuring that such laws provide an environment conducive to innovation.

## Law Subcommittee Meetings

Subcommittee business is conducted by listserv discussions.

# PROJECT SUMMARY

**Evaluation of Multiple Potential Amicus Brief Filing Opportunities**

Members of the Subcommittee, at the request of the Secretariat, evaluated invitations from outside parties to associate USTPC with planned filings in federal court. These matters included *Curling v. Kemp* in the Northern District of Georgia and *Investpic, LLC v. SAP America, Inc.* before the U.S. Supreme Court. The Subcommittee also assessed requests to engage in matters before state Uniform Law Commissioners. Evaluations of this nature are a periodic but core function of the Law Subcommittee.

While, ultimately, the Subcommittee did not recommend to the Secretariat that any such filings be joined (and none were), such efforts were time-consuming and the matters addressed often complex. Conse­quently, Subcommittee Chair Andy Grosso drafted, and circulated informally for Secretariat feedback, protocols for addressing requests to join others’ amici briefs as they come to USTPC’s attention. Revision and adoption of those draft procedures is pending at this writing.

# Plans

The Law Subcommittee will continue its efforts to work collaboratively with and support the work of USTPC's Subcommittees and working groups. Specifically, it will pursue formal adoption of the amicus assessment protocols referenced above and will seek to generate from among its membership technically-based OpEds suitable for placement by ACM Communications professionals in appropriate policy-oriented and mainstream news and analysis outlets.

**LAW SUBCOMMITTEE CONTACT**

 Name: Andrew Grosso

 Position: Chair

 Email: agrosso@acm.org

Appendix F

**ANNUAL REPORT**

**PRIVACY SUBCOMMITTEE**

**ACM U.S. TECHNOLOGY POLICY COMMITTEE**

**JULY 1, 2018 - JUNE 30, 2019**

**BRIAN DEAN, CHAIR**

# BASIC INFORMATION

## Privacy Subcommittee Members

|  |  |  |
| --- | --- | --- |
| Brian Dean (Chair)Annie AntónSteve BellovinSteve BilowTravis BreauxEric BurgerVint CerfNicolas ChristinGeoff CohenJames CohoonLillie ConeyLorrie CranorRachel CummingsWilliam DoaneJulie EarpDave FarberNick FeamsterStuart FeldmanKathy FontaineSeymour GoodmanSarah GrangerAlex GyoriMark P. HahnRebecca HeroldLance HoffmanDouglas JonesRachel JonesJuan Miguel de JoyaPatrick KellyNicholas KovachKim Lawson-JenkinsRao MannepalliAaron MasseyJonathan Mayer | Lynette MillettSam MoralesJohn MurrayArvind NarayananPeter G. NeumannAndy OramPaul OttoBarbara OwensGarry PaxinosJonathon PhillipsRalph Spencer PooreMark RaschAlan ReaChris RobertsDavid RobinsonArnon RosenthalMarc RotenbergGeorge RoussosAnthony RuoccoPam SamuelsonFred SchneiderOliver SmootAaron TeminBhavani ThuraisinghamPatrick TraynorJaideep VaidyaLorenzo ValeriEmil VolcheckDavid WagnerDaniel WeitznerTao XieChristopher YooJessica Young *plus all members of USTPC Secretariat* |  |

## Purpose of the Privacy Subcommittee

The Privacy Subcommittee seeks to facilitate a greater understanding of the issues at the intersection of privacy and technology.

## Privacy Subcommittee Meetings

Subcommittee business is conducted via listserv discussions and periodic Subcommittee calls.

# PROJECT SUMMARY

The Subcommittee’s FY 2019 written work products, all subsequently adopted as official USTPC documents, were:

* [Letter to Senate Task Force on Privacy Chair Blackburn Calling for Maximum Public Input and Transparency in Panel's Work](https://www.acm.org/binaries/content/assets/public-policy/acm-ustpc-privacy-task-force-letter-072219.pdf) (July 22, 2019);
* [Comments to National Institute of Standards and Technology on Developing a Privacy Framework](https://www.acm.org/binaries/content/assets/public-policy/developing-a-privacy-framework-comments) (January 14, 2019);**\***
* [Comments to NTIA re: Developing the Administration’s Approach to Consumer Privacy](https://www.acm.org/binaries/content/assets/public-policy/ustpc_commentsntiaconsumerprivacy.pdf) (November 8, 2018);
* [Joint Letter to Senate Judiciary Committee Leaders Urging Rapid Action to Fill Vacancies on Privacy & Civil Liberties Oversight Board](https://www.acm.org/binaries/content/assets/public-policy/ngo-pclob-ltr-082918.pdf) (August 29, 2018); and
* [Letter to U.S. Senate re: “Recommendations and Call for Action to Address Data Privacy Risks and harms Revealed by Facebook/Cambridge Analytica Inquiries”](https://www.acm.org/binaries/content/assets/public-policy/usacm/usacm_senate_facebook_hearing_statement_transmittal.pdf) (July 2, 2018)\*\*

The Subcommittee considered and recommended that USTPC formally support national “Data Privacy Day,” observed annually on January 28, 2019; USTPC did so. Finally, the Subcommittee’s most recent formal policy Statement adopted by USTPC remains its [Statement on the Impor­tance of Preserving Personal Privacy](https://www.acm.org/binaries/content/assets/public-policy/2018_usacm_statement_preservingpersonalprivacy.pdf), including ten Foundational Privacy Principles and Practices (March 2018).

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 \* In addition, USTPC and the Subcommittee were represented by Secretariat At Large member Lorraine Kisselburgh at NIST’s second workshop on its privacy framework in Atlanta, GA in May 2019.

\*\* This document, and an FY2018 submission made in April 2018, were the product of a working group co-chaired by Privacy Subcommittee Chair Brian Dean and USTPC Secretariat member Lorraine Kisselburgh. Other members were: Flo Appel; Lillie Coney; Jeremy Epstein; Nick Feamster; Simson Garfinkel; Barb Helfer; Jim Hendler; Andy O’Reilly; Marc Rotenberg; George Roussos; Stuart Shapiro; and Eugene Spafford.

# Plans

## Proposed Projects

**Facial Recognition**

It is the Subcommittee’s desire and intention, in active collaboration with USTPC’s “AI” and other Subcommittees, to contribute meaningfully in FY 2020 to ongoing and accelerating policy processes regarding the development, deployment and potential regulation of facial recognition technologies. The form of the Subcommittee’s work product is to be determined.

**NIST Privacy Framework**

The Subcommittee will continue to monitor and participate in the development of NIST’s Framework for the balance of the process in FY 2020 by which it will be finalized.

**PRIVACY SUBCOMMITTEE CONTACT**

Name: Brian Dean

Position: Chair

 Email: brian.dean@cox.net

Appendix G

**ANNUAL REPORT**

**SECURITY SUBCOMMITTEE
ACM U.S. TECHNOLOGY POLICY COMMITTEE**

**JULY 1, 2018 - JUNE 30, 2019**

**ALEC YASINSAC, CHAIR**

# BASIC INFORMATION

## Security Subcommittee Members

|  |  |
| --- | --- |
| Alec Yasinsac (Chair)\*Annie AntónSteve BellovinTravis BreauxChris BronkEric BurgerVint CerfNicolas ChristinGeoff CohenJames CohoonLillie ConeyLorrie CranorWilliam DoaneCory DoctorowJulie EarpDave FarberStuart FeldmanJuan GilbertSeymour GoodmanSarah GrangerMark P. HahnRebecca HeroldLance HoffmanDouglas JonesJuan Miguel de JoyaPatrick KellyNicholas KovachKim Lawson-JenkinsRao MannepalliAaron Massey | Jonathan MayerAndy OramBarbara OwensLynette MillettSam MoralesJohn MurrayPeter G. NeumannPaul OttoGarry PaxinosMark RaschAlan ReaChris RobertsDavid RobinsonArnon RosenthalGeorge RoussosAnthony RuoccoPam SamuelsonFred SchneiderOliver SmootAaron TeminBhavani ThuraisinghamPatrick TraynorJaideep VaidyaLorenzo ValeriEmil VolcheckDavid WagnerDaniel WeitznerTao XieChristopher YooJessica Young*plus all members of USTPC Secretariat* |

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\* Effective July 2019, Alec Yasinsac was appointed Co-Vice Chair of USTPC. He was succeeded as Security Subcommittee Chair by Patrick Traynor.

## Purpose of the Security Subcommittee

The Security Subcommittee promotes the embodiment of security in computing and computing-related infrastructures and seeks to contribute to policy solutions that foster secure, stable, robust, and trustworthy computing environments.

## Security Subcommittee Meetings

# Subcommittee business is conducted by listserv discussions.

# PROJECTS/OUTCOMES SUMMARY

The Subcommittee assisted in the assessment of multiple issues and the production of multiple policy products on which other USTPC Subcommittees were primary authors. These included, in particular, the AI Subcommittee’s work on USTPC’s [Comments to NSF re: Revision of the 2016 National Artificial Intelligence R&D Strategic Plan](https://www.acm.org/binaries/content/assets/public-policy/ustpc_airdstrategycomments.pdf) (October 26, 2018).

USTPC’s [Statement on Mandatory Engineered Law Enforcement Access to Information Infrastructure and Devices](https://www.acm.org/binaries/content/assets/public-policy/usacm/2018-usacm-statement-law-enforcement-access.pdf) (April 2018), cautioningpolicy makers for technical reasons against the intentional engineering of vulnerabilities into encryption systems presumptively solely for the use and benefit of law enforcement, remains the Subcommittee’s most recent policy document for USTPC.

# Plans

## Proposed Projects

The Subcommittee, in active collaboration with USTPC’s AI, Voting, and other Subcommittees will to contribute meaningfully in FY 2020 to ongoing policy processes regarding cybersecurity, encryption, and election security. The form of the Subcommittee’s work product is to be determined.

**SECURITY SUBCOMMITTEE CONTACT**

Name: Alec Yasinsac

Position: Chair

 Email: yasinsac@gmail.com

Appendix H

**ANNUAL REPORT**

**VOTING SUBCOMMITTEE
ACM U.S. TECHNOLOGY POLICY COMMITTEE**

**JULY 1, 2018 - JUNE 30, 2019**

**BARBARA SIMONS, CHAIR**

# BASIC INFORMATION

## Voting Subcommittee Members

|  |  |
| --- | --- |
| Barbara Simons (Chair)Jason BakerJeremy BarksdaleTravis BreauxVint CerfGeoff CohenLillie Coney David DillDave FarberStuart FeldmanJuan GilbertDon GotterbarnSarah GrangerPaul JacobsDouglas JonesJuan Miguel de Joya | Cem KanerKim Lawson-JenkinsVince LipsioRao MannepalliBrian MussingtonPeter NeumannAndy OramBarbara OwensBrendan RoachArnon RosenthalOllie SmootEmil VolchekDavid WagnerJohn WhiteDavid Wise*plus all members of the USTPC Secretariat* |

## Purpose of the Voting Subcommittee

The Voting Subcommittee works to encourage policies that support the security, reliability, accuracy, accessibility, usability, and verifiability of public elections.

## Voting Subcommittee Meetings

All business is conducted via listserv discussions.

# PROJECT SUMMARY

The Subcommittee’s principal work products in FY 2019 were:

* [Comments on U.S. Election Assistance Commission’s Voluntary Voting System Guidelines, Version 2.0](https://www.acm.org/binaries/content/assets/public-policy/ustpc-comments-voluntary-voting-system-guidelines-052919.pdf) (May 29, 2019)**\***
* [Joint Report on Email and Internet Voting: The Overlooked Threat to Election Security](https://www.acm.org/binaries/content/assets/public-policy/jtreportemailinternetvoting.pdf) (October 10, 2018)**\*\***

# Plans

## Proposed Projects

The Subcommittee may prepare one or more analytical documents intended for policy maker and public education regarding the nature of blockchain technology and its appropriateness, or lack thereof, for use in securing election processes.

**VOTING SUBCOMMITTEE CONTACT**

Name: Barbara Simons

Position: Chair

 Email: simons@acm.org

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 **\*** USTPC’s comments to the EAC calling for a ban on all internet connectivity in voting and voting-related processes was the lead story on May 29, 2019 in *Politico’s* widely read *Morning Cybersecurity* online bulletin. An OpEd by USTPC Vice Chair Jeremy Epstein urging the same categorical ban appeared in *The Hill* on the same date (see section 2.1, above).

**\*\*** Efforts by the ACM Communications Office, together with those of co-authoring organizations, resul­ted in substantial policy and mainstream press coverage of this Report. Facilitated by a day-of-release tele­phone press conference, in which USTPC was represented by Vice Chair Jeremy Epstein, such coverage appeared in and on (among other outlets): *Bloomberg/BNA*; *The Hill*, *Fast Company*, multiple McClatchy Newspapers; *Newsweek*; *NextGov*, *Politico*; and WLWT Cincinnati. Subsequently, Epstein also was interviewed indivi­dually.

Appendix I

FY 2019 MEMBERS

**ACM U.S. TECHNOLOGY POLICY COMMITTEE**

|  |  |  |  |
| --- | --- | --- | --- |
| Jim Hendler (Chair)Jeremy Epstein (Vice Chair)Annie Antón Flo Appel Jason Baker Jeremy BarksdaleBen Bederson Steve Bellovin Travis Breaux Chris Bronk Charles BrownsteinEric Burger Jean Camp Vint Cerf Steve Cherry Sunny Choi Nicolas Christin Geoff Cohen James Cohoon Lillie Coney Lorrie Cranor Rachel Cummin Brian Dean Nicholas DiakopoulosDavid Dill William Doane Cory Doctorow Julie EarpDave Farber  |  Nick Feamster Stuart Feldman Miles Fidelman Kathyu FontaineSorelle Friedler  Simson GarfinkelJuan Gilbert Seymour GoodmanDon Gotterbarn Sarah GrangerJames GrimmelmannAndrew Grosso Alex Gyori Mark P. Hahn Barb Helfer Rebecca Herold Harry HochheiserLance Hoffman Lee Hollaar Juan Pablo HourcadeChuck House Paul Hyland Paul Jacobs Douglas W. JonesMeg Leta Jones Cem Kaner Patrick Kelly Lorraine KisselburghKim Lawson-JenkinsJuan Miguel de Joya­­ | Jonathan Lazar Clayton Lewis Vince Lipsio Rao Mannepalli Aaron Massey Jeanna MatthewsJonathan MayerLarry MedskerLynette Millett James Moody Sam Morales John Murray Arvind NarayananPeter G. NeumannAndy Oram Paul Otto Barbara OwensGarry Paxinos Jon PehaJonathan PhillipsRalph Spencer PooreMark Rasch Alan Rea Jennifer RexfordBrendan Roach Chris RobertsDavid Robinson Arnon RosenthalMarc Rotenberg George Roussos |  Anthony S. Ruocco  Pam Samuelson  Curtis Sawyer Ari Schlesinger Fred Schneider Doug Schuler Andrew SearsStuart ShapiroBen ShneidermanBarbara Simons Jonathan M. Smith Ollie Smoot Eugene SpaffordAaron Temin Bhavani ThuraisinghamPatrick Traynor Jaideep Vaidya Lorenzo Valeri Emil Volcheck David WagnerDaniel WeitznerJohn White David WiseAlex Wolf Tao Xie Alec Yasinsac Christopher Yo Jessica Young Stuart Zweben  |