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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 President  Lorraine Kisselburgh, TPC Chair  Oliver Grau, Europe TPC Chair | Vicki Hanson, ACM CEO and Executive Director  Adam 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 Bederson  Travis Breaux  Vint Cerf  Jim Cohoon  Geoff Cohen  Lillie Coney  James Ellmore  Dave Farber  Stuart Feldman  Juan Gilbert  Don Gotterbarn  Sarah Granger  Juan Pablo Hourcade | Chuck House  Douglas Jones  Juan Miguel de Joya  Jonathan Lazar  Clayton Lewis  Larry Medsker  Andy Oram  Barbara Owens  David Robinson  Andrew Sears  Ben Shneiderman  Ollie Smoot  Emil 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-Yates  Steve Bilow  Nicolas Christin  Geoff Cohen  Rachel Cummings  Nicholas Diakopoulos  Kathy Fontaine  Sorelle Friedler  Juan E Gilbert  Sarah Granger | Juan Miguel de Joya  Cem Kaner  Rao Mannepalli  Larry Medsker  Andy Oram  Jonathon Phillips  Alan Rea  Brendan Roach  Arnon Rosenthal  Marc Rotenberg  Ari Schlesinger  Ben Shneiderman  Aaron Temin  Daniel 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 Abebe  Jeremy Barksdale  Steve Bilow  Travis Breaux  Eric Burger  Vint Cerf  Jeff Cohen  Lillie Coney  Nicholas Diakopolous  William Doane  Dave Farber  Stuart Feldman  Kathy Fontaine  Sorelle Friedler  Juan Gilbert  Don Gotterbarn  Sarah Granger  Mark P. Hahn  Douglas Jones | Juan Miguel de Joya  Jonathan Lazar  Samuel Liles  Rao Mannepalli  Aaron Massey  Andy Oram  Barbara Owens  Alan Rea  Brendan Roach  David Robinson  Arnie Rosenthal  Ben Shneiderman  Doug Schuler  Ollie Smoot  Aaron Temin  Jaideep Vaidya  Emil 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 Barksdale  Travis Breaux  Chris Bronk  Eric Burger  Vint Cerf  Geoff Cohen  Lillie Coney  Cory Doctorow  Dave Farber  Stuart Feldman  Miles Fidelman  Kathy Fontaine  Juan E. Gilbert  Sarah Granger  Barbara Helfer  Lee Hollaar | Chuck House  Paul Jacobs  Douglas Jones  Juan Miguel de Joya  Cem Kaner  Andy Oram  Barbara Owens  Garry Paxinos  Alan Rea  David Robinson  Pam Samuelson  Ollie Smoot  Bhavani Thuraisingham  Emil Volcheck  David Wise  Christopher 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 Baker  Jeremy Barksdale  Steve Bellovin  Vint Cerf  Geoff Cohen  Lillie Coney  William Doane  Cory Doctorow  Dave Farber  Stuart Feldman  Miles Fidelman  Juan E. Gilbert  Sarah Granger  James Grimmelmann  Lance Hoffman  Lee Hollaar  Douglas Jones  Juan Miguel de Joya  Cem Kaner | Vince Lipsio  Aaron Massey  James Moody  Arvind Narayanan  Andy Oram  Paul Otto  Garry Paxinos  Ralph Spencer Poore  Mark Rasch  Alan Rea  Chris Roberts  David Robinson  Anthony Ruocco  Pam Samuelson  Ari Schlesinger  Ollie Smoot  Emil Volcheck  David Wise  Christopher Yoo  Jessica 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 Antón  Steve Bellovin  Steve Bilow  Travis Breaux Eric Burger  Vint Cerf  Nicolas Christin  Geoff Cohen James Cohoon Lillie Coney Lorrie Cranor  Rachel Cummings William Doane Julie Earp Dave Farber  Nick Feamster Stuart Feldman  Kathy Fontaine  Seymour Goodman  Sarah Granger  Alex Gyori  Mark P. Hahn Rebecca Herold Lance Hoffman Douglas Jones  Rachel Jones  Juan Miguel de Joya  Patrick Kelly  Nicholas Kovach Kim Lawson-Jenkins  Rao Mannepalli Aaron Massey  Jonathan Mayer | Lynette Millett Sam Morales  John Murray  Arvind Narayanan Peter G. Neumann  Andy Oram Paul Otto  Barbara Owens Garry Paxinos  Jonathon Phillips  Ralph Spencer Poore Mark Rasch  Alan Rea  Chris Roberts David Robinson Arnon Rosenthal  Marc Rotenberg George Roussos Anthony Ruocco Pam Samuelson Fred Schneider  Oliver Smoot  Aaron Temin Bhavani Thuraisingham  Patrick Traynor  Jaideep Vaidya Lorenzo Valeri  Emil Volcheck  David Wagner  Daniel Weitzner  Tao Xie  Christopher Yoo Jessica 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 Antón  Steve Bellovin  Travis Breaux  Chris Bronk Eric Burger  Vint Cerf  Nicolas Christin  Geoff Cohen James Cohoon Lillie Coney Lorrie Cranor  William Doane  Cory Doctorow Julie Earp Dave Farber Stuart Feldman  Juan Gilbert  Seymour Goodman  Sarah Granger  Mark P. Hahn Rebecca Herold Lance Hoffman Douglas Jones  Juan Miguel de Joya  Patrick Kelly  Nicholas Kovach Kim Lawson-Jenkins  Rao Mannepalli  Aaron Massey | Jonathan Mayer  Andy Oram  Barbara Owens Lynette Millett Sam Morales  John Murray Peter G. Neumann  Paul Otto Garry Paxinos Mark Rasch  Alan Rea  Chris Roberts David Robinson Arnon Rosenthal George Roussos Anthony Ruocco Pam Samuelson Fred Schneider  Oliver Smoot  Aaron Temin Bhavani Thuraisingham  Patrick Traynor  Jaideep Vaidya Lorenzo Valeri  Emil Volcheck David Wagner  Daniel Weitzner  Tao Xie  Christopher Yoo  Jessica 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 Baker  Jeremy Barksdale  Travis Breaux  Vint Cerf  Geoff Cohen  Lillie Coney  David Dill  Dave Farber  Stuart Feldman  Juan Gilbert  Don Gotterbarn  Sarah Granger  Paul Jacobs  Douglas Jones  Juan Miguel de Joya | Cem Kaner  Kim Lawson-Jenkins  Vince Lipsio  Rao Mannepalli  Brian Mussington  Peter Neumann  Andy Oram  Barbara Owens  Brendan Roach  Arnon Rosenthal  Ollie Smoot  Emil Volchek  David Wagner  John White  David 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](mailto: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 Barksdale  Ben Bederson  Steve Bellovin  Travis Breaux  Chris Bronk  Charles Brownstein  Eric Burger  Jean Camp  Vint Cerf  Steve Cherry  Sunny Choi  Nicolas Christin  Geoff Cohen  James Cohoon  Lillie Coney  Lorrie Cranor  Rachel Cummin  Brian Dean  Nicholas Diakopoulos  David Dill  William Doane  Cory Doctorow  Julie Earp  Dave Farber | Nick Feamster  Stuart Feldman  Miles Fidelman  Kathyu Fontaine  Sorelle Friedler  Simson Garfinkel  Juan Gilbert  Seymour Goodman  Don Gotterbarn  Sarah Granger  James Grimmelmann  Andrew Grosso  Alex Gyori  Mark P. Hahn  Barb Helfer  Rebecca Herold  Harry Hochheiser  Lance Hoffman  Lee Hollaar  Juan Pablo Hourcade  Chuck House  Paul Hyland  Paul Jacobs  Douglas W. Jones  Meg Leta Jones  Cem Kaner  Patrick Kelly  Lorraine Kisselburgh  Kim Lawson-Jenkins  Juan Miguel de Joya  ­­ | Jonathan Lazar  Clayton Lewis  Vince Lipsio  Rao Mannepalli  Aaron Massey  Jeanna Matthews  Jonathan Mayer  Larry Medsker  Lynette Millett  James Moody  Sam Morales  John Murray  Arvind Narayanan  Peter G. Neumann  Andy Oram  Paul Otto  Barbara Owens  Garry Paxinos  Jon Peha  Jonathan Phillips  Ralph Spencer Poore  Mark Rasch  Alan Rea  Jennifer Rexford  Brendan Roach  Chris Roberts  David Robinson  Arnon Rosenthal  Marc Rotenberg  George Roussos | Anthony S. Ruocco  Pam Samuelson  Curtis Sawyer  Ari Schlesinger  Fred Schneider  Doug Schuler  Andrew Sears  Stuart Shapiro  Ben Shneiderman  Barbara Simons  Jonathan M. Smith  Ollie Smoot  Eugene Spafford  Aaron Temin  Bhavani Thuraisingham  Patrick Traynor  Jaideep Vaidya  Lorenzo Valeri  Emil Volcheck  David Wagner  Daniel Weitzner  John White  David Wise  Alex Wolf  Tao Xie  Alec Yasinsac  Christopher Yo  Jessica Young  Stuart Zweben |