­

Fiscal Year 2018 Annual Report of

the ACM U.S. Public Policy Council

*For the Period July 1, 2017 – June 30, 2018*

Submitted by

Stuart Shapiro, Chair

FY 2018

**FY 2018 ANNUAL REPORT  
U.S. Public Policy Council of the**

**Association for Computing Machinery for the**

**Period of July 1, 2017 – June 30, 2018**

# Basic Information

The ACM U.S. Public Policy Council (USACM) 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, which are the responsibility of the ACM Education Policy Committee.

USACM is authorized to take policy positions and has a systematic process for the development, review, and approval of such policy positions. These positions reflect the position of USACM and not necessarily that of ACM.

## Leadership

USACM is governed by the USACM Council, which includes a Chair, Vice Chair, an Executive Committee, two SIG Governing Board representatives, six At Large members, former chairs of USACM, and ex officio members. The ACM President appoints the USACM Chair for a term of two years, beginning July 1 in even-numbered years. The ACM President may appoint Co‑Chairs. The USACM Chair, in consultation with the ACM President, appoints the Vice Chair or Co-Vice Chairs. The USACM Executive Committee is composed of the Chair, Vice Chair, Immediate Past Chair, the SIG Board representative with the longest tenure in USACM, four additional USACM Council members selected by the Chair, and ex officio members.

USACM EXECUTIVE COMMITTEE MEMBERS (for FY 2018 reporting period)

Leadership

* Stuart Shapiro (USACM Chair)
* Jeremy Epstein (USACM Vice Chair)

Additional Voting Members

* Jeanna Matthews (SIG Representative)
* Andrew Grosso (Law Committee Chair), EC term expires 12/31/18
* Jean Camp (At Large Member), EC term expired 12/31/17
* Lorraine Kisselburgh (At Large Member), EC term expires 12/31/18
* Harry Hochheiser (Accessibility Committee Chair), EC term expires 12/31/18
* James Hendler (At Large Member), EC term expires 12/31/18; *see Notes*
* Eugene Spafford (Immediate Past Chair)

Ex Officio

* Adam Eisgrau (ACM Director of Global Public Policy), effective 1/3/18; *see Notes*
* Jeffrey Forbes (ACM Education Policy Committee Chair)
* Fabrizio Gagliardi (ACM Europe Policy Committee Chair)
* Vicki L. Hanson (ACM President)
* Patricia Ryan (ACM Acting Executive Director and COO), *see Notes*
* Robert B. Schnabel (ACM Executive Director and CEO), *see Notes*

USACM COUNCIL MEMBERS (for FY 2018 reporting period)

Leadership

* Stuart Shapiro (USACM Chair)
* Jeremy Epstein (USACM Vice Chair)

Additional Voting Members

* Chris Bronk (Digital Governance Chair)
* Brian Dean (Privacy Committee)
* Andrew Grosso (Law Committee Chair)
* Harry Hochheiser (Accessibility Committee Chair)
* Paul Hyland (Intellectual Property Committee Chair)
* Barbara Simons (Voting Committee Chair effective 4/1/17 and Former USACM Chair)
* Alec Yasinsac (Security Committee Chair)
* Flo Appel (SIG Representative)
* Jeanna Matthews (SIG Representative)
* Jean Camp (At Large), term expires 12/31/19
* Simson Garfinkel (At Large), term expires 12/31/19
* Jonathan M. Smith (At Large), term expired 12/31/17,

Artificial Intelligence and Algorithmic Accountability Committee Chair effective 5/24/18

* Jim Hendler (At Large), term originally to expire 12/31/19; *see Notes*
* Meg Leta Jones (At Large), term expires 12/31/18
* Lorraine Kisselburgh (At Large), term expires 12/31/18
* Eugene Spafford (Immediate Past Chair)
* Charles Brownstein (Former USACM Chair)

Ex Officio

* Adam Eisgrau (ACM Director of Global Public Policy), *see Notes*
* Jeffrey Forbes (ACM Education Policy Committee Chair)
* Fabrizio Gagliardi (ACM Europe Policy Committee Chair)
* Vicki L. Hanson (ACM President)
* Patricia Ryan (ACM Acting Executive Director and COO), *see Notes*
* Robert B. Schnabel (ACM Executive Director and CEO), *see Notes*

**Notes:**

USACM members re-elected Jean Camp and Simson Garfinkel and elected John Murray to serve as At Large members of the Council for two-year terms ending 12/31/19. Jim Hendler served in that capacity through FY 2018 prior to becoming Chair of USACM’s successor body, the ACM U.S. Technology Policy Committee (USTPC).

Robert Schnabel stepped down as ACM’s Executive Director and CEO effective December 1, 2017. ACM COO Patricia Ryan assumed that additional role on an acting basis for the balance of FY 2018.

Adam Eisgrau joined ACM as Director of Global Policy and Public Affairs effective January 3, 2018.

A list of all FY 2018 USACM members is provided in Appendix K.

## Purpose

The ACM U.S. Public Policy Council 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. USACM 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. USACM issues recommendations informed by technical expertise and that take into account the complete context of policy development.

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

## Committees and Working Groups

Eight committees address specific policy areas, as listed below. USACM Council members are members of all committees and working groups. Working Groups are created for temporary or exploratory purposes. The expectation is that they will at some point either become committees or be wound down.

Working Group Chairs are not automatically members of Council.

At the beginning of FY 2018, USACM relied upon three working groups to address, respectively, policy issues concerning: the Internet of Things (Co-Chairs: Alan Rea, Nick Feamster); Big Data (Co-Chairs: Brian Dean, Paul Hyland); and Algorithmic Accountability (Co-Chairs: Simson Garfinkel, Jeanna Matthews, Jonathan M. Smith). By the close of FY 2018, however, all three of these working groups were no longer operating. Specifi­cally, upon discussion and vote by the USACM Council in May of 2018, the Internet of Things and Big Data working groups were disbanded. In addition, its issues having grown in prominence, the Working Group on Algorithmic Accountability was reconstituted as a standing USACM Committee on Artificial Intelligence and Algorithmic Accountability.

One new working group was formed late in FY 2018 to study the privacy and security issues raised by the widely reported breach of hundreds of millions of Facebook users’ profile data as a result of actions by Cambridge Analytica, a third-party vendor of the social media platform. The working group’s findings formed the bases of several submissions to Congress approved by the USACM Executive Committee (detailed below), which were accepted for the formal record of multiple hearings into the Facebook/Cambridge Analytica matter held in FY 2018.

In FY 2018, USACM members participated in the following seven additional standing committees:

**Accessibility Committee**

Chair: Harry Hochheiser

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

**Digital Governance Committee**

Chair: Chris Bronk

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

**Intellectual Property Committee**

Chair: Paul Hyland

​The Intellectual Property Committee 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 Committee**

Chair: Andrew Grosso

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

**Privacy Committee**

Chair: Brian Dean

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

**Security Committee**

Chair: Alec Yasinsac

The Security Committee 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 Committee**

Chair: Barbara Simons

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

## Meetings

The USACM Council met on March 22-23, 2018, in Washington, DC to review policy activities and to deter­mine priorities for the year ahead. The meeting featured: extended strategy discussions on focusing USACM’s issues of primary interest, leveraging existing and new relationships with other organizations, and reinforcing and otherwise enhancing ACM and USACM’s reputation among policy makers as a trusted and neutral source of information on critical technology policy matters. In addition, weather precluded the planned participa­tion of USACM Chair Stuart Shapiro in the EUACM Annual Meeting at the ACM Europe Conference in March 2018 in Brussels, Belgium. ACM Director of Global Policy and Public Affairs Adam Eisgrau delivered his report.

The USACM Council typically meets in person annually. The USACM Council conducts regular conference calls with the ACM Public Policy Office staff to discuss policy priorities, coordinate activities, and evaluate new priorities and activities.

USACM operates mainly through listserv discussions among the members. In addition to the main listserv for all members, each committee 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 monthly conference calls to discuss the progress on specific policy projects.

# Project Summary

USACM made 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. USACM participated in multistakeholder partnerships and forums, submitted public comments to federal agencies, and released policy statements. USACM also raised awareness of public policy issues through social media, blogs, press releases, and other public outreach.

## Multistakeholder Partnerships and Forums

USACM engaged with and monitored the following multistakeholder partnerships and forums, with additional information given within the respective committee report in the appendices:

**Congressional Caucus Advisory Committees**

The advisory committees are comprised of public interest groups, trade associations, nonprofits, and corporations from a broad cross-section of the public interest community and technology community. The advisory committees provide informational briefings for Congressional staff and the public. The Advisory Committees take no positions on legislation or regulations.

**U.S. Department of Commerce**

**Internet Policy Task Force Multistakeholder Forums**

The Task Force convenes and facilitates multistakeholder forums focused on voluntary approaches to improve privacy, cybersecurity, security vulnerability disclosures, copyright, cross-border data flows, and the potential roles for the government in fostering the advancement of the Internet of Things.

**IEEE Global Initiative for Ethical Considerations in Artificial Intelligence and Autonomous Systems**

The purpose of this Initiative is to ensure every technologist is educated, trained, and empowered to prioritize ethical considerations in the design and development of autonomous and intelligent systems. Members of the USACM Working Group on Algorithmic Accountability have actively participated in Initiative events. Further, The Chair of ACM’s SIGAI sits on the

Executive Committee of the Initiative and in this role he consults with USACM and EUACM.

## Policy Projects, Public Comments, and Statements

USACM submitted or released the following comments and statements (available for download on the USACM website at <https://www.acm.org/public-policy/public-policy-statements>. Additional details, where germane, may be found in the individual USACM Committees reports appended to this document. Principal USACM Comments and Statements for FY 2018 were:

* [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, articulating seven principles intended to promote accessibility, usability, and digital inclusiveness and serve as tools that designers, developers, and policy makers can use to assure that the promise of computing can be enjoyed to the maximum extent possible by all members of society.
* Guest editorial, “[Toward Algorithmic Transparency and Accountability](https://cacm.acm.org/magazines/2017/9/220423-toward-algorithmic-transparency-and-accountability/fulltext),” published in the September 2017 issue of *CACM,* describing seven principles of algorithmic transparency and accountability promulgated by both USACM and EUACM and the motivations behind them.
* Comments to the National Telecommunications and Information Administration (NTIA) on the joint draft [Report to the President on Enhancing the Resilience of the Internet and Communica­tions Eco­system Against Botnets and Other Automated, Distributed Threats](https://www.ntia.doc.gov/files/ntia/publications/eo_13800_botnet_report_for_public_comment.pdf) by the Depart­ments of Commerce and Homeland Security (NTIA Docket Number 180103005–8005–01) submitted in mid-February 2018.
* [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, was released in early March 2018.
* [Comments on issues raised by the Facebook/Cambridge Analytica](https://www.acm.org/binaries/content/assets/public-policy/usacm/2018_usacm_letter_fb_data_compromises.pdf) matter, submitted in letter form, were formally placed in early April 2018 in the record of a joint hearing of the Senate Judiciary and Commerce Committees convened to take testimony from Facebook’s CEO. USACM’s Statement on the Importance of Preserving Personal Privacy, see above, was appended to this submission. This submission, appropriately readdressed, also was accepted contemporan­eously for the record of a similar hearing before the House Committee on Energy and Commerce.
* [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), strongly cautioningpolicy makers for technical reasons against the intentional engineering of vulnerabilities into encryption systems presumptively solely for the use and benefit of law enforcement, was released in mid-April.
* [Letters](https://www.acm.org/binaries/content/assets/public-policy/usacm/2018-usacm-letter-ota-funding.pdf) in late April and early May were delivered to leadership of select House and Senate Appropriations Committees and Legislative Branch Subcommittees encouraging their “inquiry into whether Congress should reacquire the capacity to identify, analyze and understand the complex technologies increasingly critical to our economy, society, and future as a nation.”
* [Written Testimony](https://www.acm.org/binaries/content/assets/public-policy/usacm/2018-acm-us-tech-policy-ctte-letter-data-privacy.pdf), prepared by a USACM Working Group, was submitted to and accepted for the record of a further hearing into the Facebook/Cambridge Analytica controversy held in mid-June by the Senate Commerce Committee’s Subcommittee on Consumer Protection, Product Safety, Insurance, and Data Security.

## Additional Projects and Presentations of Note in Fiscal Year 2018

* Panel discussion on algorithmic transparency and accountability organized by USACM and held at the National Press Club in Washington, DC in September 2017 and live streamed on Facebook. The panel was moderated by USACM member Simson Garfinkel and speakers included USACM members Jeanna Matthews and Geoff Cohen.
* USACM Vice Chair Jeremy Epstein attended the EUACM meeting and participated in a panel at the ACM Europe Conference in Barcelona in September 2017.  The panel topic was "key challenges in cybersecurity".  [https://acmeurope-conference.acm.org/2017/07/27/ cybersecurity-panel-some-key-challenges/](https://acmeurope-conference.acm.org/2017/07/27/%20cybersecurity-panel-some-key-challenges/)
* ACM’s Policy Director briefed staff to the bipartisan leadership of the Congressional Blockchain Caucus on USACM’s policy work and available resources to support the Caucus’ work and future events in March 2018;
* USACM Vice Chair Jeremy Epstein and ACM’s Policy Director presented USACM’s Statement on Mandatory Engineered Law Enforcement Access to Information Infrastructure and Devices in March 2018to a large public and private sector internet policy coalition;
* USACM Executive Committee member Jeanna Matthews participated in the May 2018 RightsCon Conference in Toronto, Canada on a panel titled “[Machines that Learn: Can They Also Be Taught Human Values?](https://rightscon2018.sched.com/event/EHkn/machines-that-learn-can-they-also-be-taught-human-values)” The opportunity was generated through outreach by the ACM Policy Office in Washington to the leadership of AccessNow, the conference’s organizer, and to the panel’s moderator affiliated with the Software and Information Industry Association; and
* Just prior to the close of FY 2018, in collaboration with the Electronic Privacy and Information Center, USACM co-led the production and delivery of a formal [petition](https://www.acm.org/binaries/content/assets/public-policy/usacm/2018-epic-petition-ostp-on-ai-policy.pdf), ultimately signed by more than 100 leading computer scientists, to the White House Office of Science & Technology Policy requesting that a mechanism for public comment on the proceedings of the President’s Select Committee on Artificial Intelligence be created and widely publicized.

# Plans for FISCAL YEAR 2019

## Policy Projects in Fiscal Year 2019

USACM, operating henceforth as the ACM U.S. Technology Policy Committee (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. USACM will continue to engage with and monitor various multistakeholder partnerships and forums.

USTPC will continue to look for ways to collaborate with the ACM Europe Council Policy Committee, the ACM Education Policy Committee, ACM’s Special Interest Groups, and other ACM entities.

USTPC will continue to look for ways 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.

USTPC also will work with ACM’s Europe Technology Policy Committee (EUTPC) to identify issue areas of common concern that they may address jointly and through the newly formed ACM global Technology Policy Council (TPC) discussed at Sec. 3.2 of this Report, below.

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

USACM will continue to participate in multistakeholder forums convened to identify and develop voluntary approaches to improve privacy, cybersecurity, security vulnerability disclosures, copyright, cross-border data flows, and the potential roles for the government in fostering the advancement of the Internet of Things.

**ACM Publications: Policy Articles by USACM Members**

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

## Additional Projects in Fiscal Year 2019~~8~~

**Support of ACM’s New Technology Policy Council**

At the semi-annual ACM Council Meeting in October of 2017, a new global “Technology Policy Council” (TPC) was chartered, effective July 1, 2018, to serve “as the central convening point for ACM's interaction with government organizations, the computing community, and the public in all matters of public technology policy related to information technology and computing.” Both USACM and its European counterpart, EUACM, were designated in the charter as their respective region’s “Technology Policy Committee” and each will be represented on the Council by their respective Chairs. Once all TPC members are fully appointed by ACM’s President and otherwise selected in accordance with its charter, ACM’s renamed US Technology Policy Committee (USTPC) will work with and through the global TPC, and in collaboration with ACM’s Europe Technology Policy Committee (EUTPC), to further ACM’s policy objectives.

**Streamline US Policy Committees Structures and Processes**

In anticipation of re-designation of USACM as the USTPC and its new status (effective July 1, 2018) as a Committee of the TPC, the Bylaws of USACM were recast without making substantive changes as USTPC Operating Procedures. (The name of the Committee and related sub-bodies were changed as required to conform to the TPC charter or otherwise avoid confusion.) USTPC’s Chair for FY 2019 anticipates discussion, and potential adoption, of further substantive changes to the Operating Procedures to streamline USTPC’s membership processes, subcommittee structure, and recruitment and document production practices.

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

The Policy Director, with the Committee’s and ACM leadership input, will develop 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.

**Mount Event Highlighting Newly-Revised ACM Code of Ethics**

USTPC, potentially in collaboration with one or more technology-oriented Congressional caucuses, will organize a panel discussion/briefing on the ethical dimensions of policy and law pertaining to such issues as the protection of personal privacy and multiple applications of artificial intelligence.

**Redesign USTPC Web and Social Media Presence**

In collaboration with the staff of ACM headquarters and EUTPC, USTPC will spearhead efforts to comprehensively inventory, reassess and redesign the web presence of ACM’s public policy-oriented web pages to be 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.

**Design and Support ACM-Wide Policy Education/Recruitment Campaign**

In collaboration with ACM leadership and EUTPC, USTPC will seek to catalyze an organization-wide campaign to promote the nature, scope and value of ACM members’ active engagement in the organization’s policy work and/or to leverage awareness of such work into increased European and US policy commit­tee participation by current ACM members, and the recruitment of new members to ACM to whom such socially-conscious work and civic engagement may particularly appeal.

APPENDICES

Appendix A: Accessibility Committee 13

Appendix B: Digital Governance Committee 16

Appendix C: Intellectual Property Committee 18

Appendix D: Law Committee 21

Appendix E: Privacy Committee 23

Appendix F: Security Committee 26

Appendix G: Voting Committee 30

Appendix H: Artificial Intelligence Wokrking Group 32

Appendix I: Big Data Working Group 35

Appendix J: Internet of Things Working Group 37

Appendix K: USACM Membership 40

Appendix A

**ANNUAL REPORT**

**ACCESSIBILITY COMMITTEE   
ACM U.S. PUBLIC POLICY COUNCIL  
JULY 1, 2017 - JUNE 30, 2018**

**HARRY HOCHHEISER, CHAIR**

# BASIC INFORMATION

## Accessibility Committee Members

|  |  |
| --- | --- |
| Harry Hochheiser (Chair)  Ben Bederson  Jim Cohoon  Lillie Coney  Dave Farber  Stuart Feldman  Don Gotterbarn  Sarah Granger  Juan Hourcade | Chuck House  Douglas Jones  Jonathan Lazar  Clayton Lewis  Andy Oram  Andrew Sears  Ben Shneiderman  *plus all members of USACM Council* |

## Purpose of the Accessibility Committee

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

## Accessibility Committee Meetings

Committee business is conducted by listserv discussions.

# PROJECT SUMMARY

[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, articulating seven principles intended to promote accessibility, usability, and digital inclusiveness and serve as tools that designers, developers, and policy makers can use to assure that the promise of computing can be enjoyed to the maximum extent possible by all members of society.

# Plans

## Proposed Projects

The committee will continue to monitor policy developments and will continue its efforts to work collaboratively with and support the work of other USACM committees and working groups.

**ACCESSIBILITY COMMITTEE CONTACT**

Address list of all committee members and other persons responsible for projects.

Name: Harry Hochheiser

Position: Chair

Address: 5607 Baum Boulevard, Pittsburgh, PA 15206

Phone: 412-648-9300

Email: hshoch@gmail.com

Appendix B

**ANNUAL REPORT**

**DIGITAL GOVERNANCE COMMITTEE   
ACM U.S. PUBLIC POLICY COUNCIL**

**JULY 1, 2017 - JUNE 30, 2018**

**CHRIS BRONK, CHAIR**

# BASIC INFORMATION

## Digital Governance Committee Members

|  |  |
| --- | --- |
| Chris Bronk (Chair)  Jeremy Barksdale  Lillie Coney  William Doane  Dave Farber  Stuart Feldman  Sorelle Friedler  Don Gotterbarn  Sarah Granger  Mark P. Hahn | Douglas Jones  Jonathan Lazar  Samuel Liles  Aaron Massey  Andy Oram  David Robinson  Ben Shneiderman  Doug Schuler  Jaideep Vaidya  *plus all the members of USACM Council* |

## Purpose of the Digital Governance Committee

The Digital Governance Committee 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 Committee Meetings

Committee business is conducted by listserv discussions.

# PROJECT SUMMARY – N/A

# Plans

## Proposed Projects

**USACM Statement on Digital Governance**

The USACM Digital Governance Committee will identify policy principles and incorporate those principles into a statement. The committee will continue to monitor policy developments and will continue its efforts to work collaboratively with and support the work of other USACM committees and working groups.

**DIGITAL GOVERNANCE COMMITTEE CONTACT**

Address list of all committee members and other persons responsible for projects.

Name: Chris Bronk

Position: Chair

Address: 4800 Calhoun Rd, Houston, TX 77004

Phone: 713-743-5593

Email: rcbronk@uh.edu

Appendix C

**ANNUAL REPORT**

**INTELLECTUAL PROPERTY COMMITTEE**

**ACM U.S. PUBLIC POLICY COUNCIL**

**JULY 1, 2017 - JUNE 30, 2018**

**PAUL HYLAND, CHAIR**

# BASIC INFORMATION

## Intellectual Property Committee Members

|  |  |
| --- | --- |
| Paul Hyland (Chair)  Jeremy Barksdale  Eric Burger  Geoff Cohen  Lillie Coney  Cory Doctorow  Dave Farber  Stuart Feldman  Miles Fidelman  Barbara Helfer  Lee Hollaar  Chuck House | Paul Jacobs  Douglas Jones  Cem Kaner  Andy Oram  Garry Paxinos  David Robinson  Pam Samuelson  Bhavani Thuraisingham  David Wise  Christopher Yoo  *plus all members of USACM Council* |

## Purpose of the Intellectual Property Committee

​The Intellectual Property Committee 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 Committee Meetings

Committee business is conducted by listserv discussions.

# PROJECT SUMMARY

[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 Committee also contributed.

# Plans

## Proposed Projects

**USACM Statement on Intellectual Property**

The USACM Intellectual Property Committee will update their policy principles and incorporate those principles into a statement.

**U.S. Copyright Office: Policy Studies**

The committee will continue to engage in and comment on the active policy studies by the U.S. Copyright Office related to possible regulatory and legislative reforms to improve copyright protections, exemptions, and enforcement, as well as ways to improve the effectiveness of the U.S. Copyright Office. Topics include software-enabled consumer products safety, circumvention exceptions for privacy and security research, accessibility for people with disabilities, the safe harbor provisions and online copyright infringement, and information technology modernization within the U.S. Copyright Office.

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

The committee 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 COMMITTEE CONTACT**

Address list of all committee members and other persons responsible for projects.

                        Name:   Paul Hyland

                        Position: Chair

Address:   9508 Ocala St., Silver Spring, MD 20901

                        Phone:   202-441-4142

                        Email:   paul@paulhyland.com

Appendix D

**ANNUAL REPORT**

**LAW COMMITTEE**

**ACM U.S. PUBLIC POLICY COUNCIL**

**JULY 1, 2017 - JUNE 30, 2018**

**ANDREW GROSSO, CHAIR**

# BASIC INFORMATION

## Law Committee Members

|  |  |
| --- | --- |
| Andrew Grosso (Chair)  Jason Baker  Jeremy Barksdale  Steve Bellovin  Geoff Cohen  Lillie Coney  William Doane  Cory Doctorow  Dave Farber  Stuart Feldman  Miles Fidelman  James Grimmelmann  Lance Hoffman  Lee Hollaar  Douglas Jones  Cem Kaner  Vince Lipsio | Aaron Massey  James Moody  Arvind Narayanan  Andy Oram  Paul Otto  Garry Paxinos  Ralph Spencer Poore  Mark Rasch  Chris Roberts  David Robinson  Anthony Ruocco  Pam Samuelson  Ari Schlesinger  Ollie Smoot  David Wise  Jessica Young  *plus all members of USACM Council* |

## Purpose of the Law Committee

The committee works within the broader USACM framework. The committee 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 Committee Meetings

Committee business is conducted by listserv discussions.

# PROJECT SUMMARY

**OpEd on Law Enforcement Access to Cell Phone Location Data**

Members of the committee drafted an OpEd essay on *Carpenter v. United States* in November 2017 arguing for Fourth Amendment protections for cell phone location and other information and communication services data with privacy implications. Unfortunately, no news outlet was willing to publish it owing to a surfeit of commentary just prior to Supreme Court oral arguments.

# Plans

The Law Committee will continue its efforts to work collaboratively with and support the work of USACM's committees and working groups.

**LAW COMMITTEE CONTACT**

Address list of all committee members and other persons responsible for projects.

Name: Andrew Grosso

Position: Chair

Address: 1101 Thirtieth Street, NW, Suite 300

Phone: (202) 277-2865

Email: agrosso@acm.org

Appendix E

**ANNUAL REPORT**

**PRIVACY COMMITTEE**

**ACM U.S. PUBLIC POLICY COUNCIL**

**JULY 1, 2017 - JUNE 30, 2018**

**BRIAN DEAN, CHAIR**

# BASIC INFORMATION

## Privacy Committee Members

|  |  |
| --- | --- |
| Brian Dean (Chair)  Annie Antón  Steve Bellovin  Travis Breaux Eric Burger James Cohoon Lillie Coney Lorrie Cranor  Rachel Cummings William Doane Julie Earp Dave Farber  Nick Feamster Stuart Feldman  Seymour Goodman  Alex Gyori  Mark P. Hahn Rebecca Herold Lance Hoffman Douglas Jones  Patrick Kelly Kim Lawson-Jenkins  Rao Mannepalli Aaron Massey | Lynette Millett Sam Morales  John Murray  Arvind Narayanan Peter G. Neumann  Andy Oram Paul Otto Garry Paxinos  Ralph Spencer Poore Mark Rasch  Alan Rea  Chris Roberts David Robinson Arnon Rosenthal George Roussos Anthony Ruocco Pam Samuelson Fred Schneider Bhavani Thuraisingham  Patrick Traynor Lorenzo Valeri  Tao Xie Jessica Young  *plus all members of USACM Council* |

## Purpose of the Privacy Committee

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

## Privacy Committee Meetings

Committee business is conducted via listserv discussions and quarterly Committee calls.

# PROJECT SUMMARY

[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, was released in early March 2018.

[Comments on issues raised by the Facebook/Cambridge Analytica](https://www.acm.org/binaries/content/assets/public-policy/usacm/2018_usacm_letter_fb_data_compromises.pdf) matter, submitted in letter form, were formally placed in early April 2018 in the record of a joint hearing of the Senate Judiciary and Commerce Committees convened to take testimony from Facebook’s CEO. USACM’s Statement on the Importance of Preserving Personal Privacy, see above, was appended to this submission. This submission, appropriately readdressed, also was accepted contemporan­eously for the record of a similar hearing before the House Committee on Energy and Commerce.

[Written Testimony](https://www.acm.org/binaries/content/assets/public-policy/usacm/2018-acm-us-tech-policy-ctte-letter-data-privacy.pdf), prepared by a USACM Working Group, was submitted to and accepted for the record of a further hearing into the Facebook/Cambridge Analytica controversy held in mid-June by the Senate Commerce Committee’s Subcommittee on Consumer Protection, Product Safety, Insurance, and Data Security.

# Plans

## Proposed Projects

**White Paper on Internet of Things**

The White Paper on IoT will be based on the technical issues associated with IoT and USACM’s focus areas. The Statement on IoT Privacy and Security will be reused. The Accessibility, Intellectual Property, Digital Governance, and Law Committees will contribute 1-2 pages of content on IoT and their respective issue areas.

**Policy Event – Congressional Technical Briefing on Internet of Things**

The goal of this briefing will be to communicate the findings of the IoT White Paper.

**PRIVACY COMMITTEE CONTACT**

Address list of all committee members and other persons responsible for projects.

Name: Brian Dean

Position: Chair

Address: 2170 Fordham Lane, Cleveland, Ohio 44147

Phone: 216-217-0029

Email: brian.dean@cox.net

Appendix F

**ANNUAL REPORT**

**SECURITY COMMITTEE   
ACM U.S. PUBLIC POLICY COUNCIL**

**JULY 1, 2017 - JUNE 30, 2018**

**ALEC YASINSAC, CHAIR**

# BASIC INFORMATION

## Security Committee Members

|  |  |
| --- | --- |
| Alec Yasinsac (Chair)  Annie Antón  Steve Bellovin  Travis Breaux  Chris Bronk Eric Burger  Nicolas Christin James Cohoon Lillie Coney Lorrie Cranor  William Doane  Cory Doctorow Julie Earp Dave Farber Stuart Feldman  Seymour Goodman  Alex Gyori  Mark P. Hahn Rebecca Herold Lance Hoffman Douglas Jones  Patrick Kelly Kim Lawson-Jenkins  Rao Mannepalli  Aaron Massey | Andy Oram 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 Bhavani Thuraisingham  Patrick Traynor  Jaideep Vaidya Lorenzo Valeri  Emil Volcheck David Wagner  Tao Xie  Christopher Yoo  Jessica Young  *plus all members of USACM Council* |

## Purpose of the Security Committee

The Security Committee 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 Committee Meetings

# Committee business is conducted by listserv discussions.

# PROJECTS/OUTCOMES SUMMARY

[Comments to the National Telecommunications and Information Administration](https://www.ntia.doc.gov/files/ntia/publications/acm.pdf) (NTIA) on the joint draft [Report to the President on Enhancing the Resilience of the Internet and Communica­tions Eco­system Against Botnets and Other Automated, Distributed Threats](https://www.ntia.doc.gov/files/ntia/publications/eo_13800_botnet_report_for_public_comment.pdf) by the Depart­ments of Commerce and Homeland Security (NTIA Docket Number 180103005–8005–01) submitted in mid-February 2018.

[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), strongly cautioningpolicy makers for technical reasons against the intentional engineering of vulnerabilities into encryption systems presumptively solely for the use and benefit of law enforcement, was released in mid-April.

[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 Committee also contributed.

[ACM Policy Award for 2018](https://awards.acm.org/policy) (the first conveyed since its inception in 2015) was awarded to USACM Security Committee nominee William Wulf, former director of the National Science Foundation, “for broad contributions bringing computing into the national agenda, leading computer scientists into public policy where his inspirational leadership promoted key national priorities including diversity and ethics.”

# Plans

## Proposed Projects

**White Paper on Internet of Things**

The White Paper on IoT will be based on the technical issues associated with IoT and USACM’s focus areas. The Statement on IoT Privacy and Security will be reused. The Accessibility, Intellectual Property, Digital Governance, and Law Committees will contribute 1-2 pages of content on IoT and their respective issue areas.

**Policy Event – Congressional Technical Briefing on Internet of Things**

The goal of this briefing will be to communicate the findings of the IoT White Paper.

**SECURITY COMMITTEE CONTACT**

Address list of all committee members and other persons responsible for projects.

Name: Alec Yasinsac

Position: Chair

Address: University of South Alabama School of Computing

Shelby Hall, Suite 2101

150 Jaguar Drive

Mobile, AL 36688

Phone: 251-460-6390

Email: yasinsac@gmail.com

Appendix G

**ANNUAL REPORT**

**VOTING COMMITTEE   
ACM U.S. PUBLIC POLICY COUNCIL**

**JULY 1, 2017 - JUNE 30, 2018**

**BARBARA SIMONS, CHAIR**

# BASIC INFORMATION

## Voting Committee Members

|  |  |
| --- | --- |
| Barbara Simons (Chair)  Jason Baker  Jeremy Barksdale  Lillie Coney  David Dill  Dave Farber  Stuart Feldman  Juan Gilbert  Don Gotterbarn  Sarah Granger  Paul Jacobs | Douglas Jones  Cem Kaner  Kim Lawson-Jenkins  Vince Lipsio  Rao Mannepalli  Peter Neumann  Andy Oram  Ollie Smoot  David Wagner  David Wise  *plus all members of the USACM Council* |

## Purpose of the Voting Committee

The Voting Committee focuses on the technologies associated with onsite and online voting and works to encourage policies that support the reliability, security, verifiability, and accessibility of public elections.

## Voting Committee Meetings

All business is conducted via listserv discussions.

# PROJECT SUMMARY

# Plans

## Proposed Projects

**USACM Statement on Technology’s Role in Securing Modern Voting Systems**

The USACM Voting Committee will update their policy principles and incorporate those principles into statement.

**VOTING COMMITTEE CONTACT**

Address list of all committee members and other persons responsible for projects.

Name: Barbara Simons

Position: Chair

Address: 301 Mission St., Unit 45D

San Francisco, CA 94105

Phone: 650-328-8730

Email: simons@acm.org

Appendix H

**ANNUAL REPORT**

**ALGORITHMIC ACCOUNTABILITY WORKING GROUP   
ACM U.S. PUBLIC POLICY COUNCIL**

**JULY 1, 2017 - JUNE 30, 2018**

**SIMSON GARFINKEL, JEANNA MATTHEWS,**

**AND JONATHAN SMITH, CO-CHAIRS**

# BASIC INFORMATION

## Algorithmic Accountability Working Group Members

|  |  |
| --- | --- |
| Simson Garfinkel (Co-Chair)  Jeanna Matthews (Co-Chair)  Jonathan Smith (Co-Chair)  Nicolas Christin  Geoff Cohen  Rachel Cummings  Nicholas Diakopoulos  Sorelle Friedler | Cem Kaner  Rao Mannepalli  Larry Medsker  Andy Oram  Alan Rea  Ari Schlesinger  Ben Shneiderman  *plus all members of the USACM Council* |

## Purpose of the Algorithmic Accountability Working Group

The working group explores public policy issues related to algorithmic accountability and transparency.

## Algorithmic Accountability Working Group Meetings

All business is conducted via listserv discussions.

# PROJECT SUMMARY

Guest editorial, “[Toward Algorithmic Transparency and Accountability](https://cacm.acm.org/magazines/2017/9/220423-toward-algorithmic-transparency-and-accountability/fulltext),” published in the September 2017 issue of *CACM,* describing seven principles of algorithmic transparency and accountability promulgated by both USACM and EUACM and the motivations behind them.

Panel discussion on algorithmic transparency and accountability organized by USACM held at the National Press Club in Washington, DC in September 2017 and live streamed on Facebook. The panel was moderated by USACM member Simson Garfinkel and speakers included USACM members Jeanna Matthews and Geoff Cohen.

# Plans

## Proposed Projects

**Briefing Materials on Algorithms**

USACM is developing 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 USACM 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.

**Algorithmic accountability**

**WORKING GROUP** **CONTACTS**

Address list of all committee members and other persons responsible for projects.

Name: Simson Garfinkel

Address: Arlington, VA

Phone: 202-649-0029

Email: simsong@acm.org

Responsibility within the Committee: Chair

Name: Jeanna Matthews

Address: 8 Clarkson Ave, MS 5815

Potsdam NY 13699

Phone: 315-268-6288

Email: jnm@clarkson.edu

Responsibility within the Committee: Chair

Name: Jonathan Smith

Address: CIS Department, University of Pennsylvania

Levine Hall, 3330 Walnut Street

Philadelphia, PA 19104-6389.

Phone: 215-898-9509

Email: jms@cis.upenn.edu

Responsibility within the Committee: Chair

Appendix I

**ANNUAL REPORT**

**BIG DATA WORKING GROUP**

**ACM U.S. PUBLIC POLICY COUNCIL**

**JULY 1, 2017 - JUNE 30, 2018**

**BRIAN DEAN AND PAUL HYLAND, CO-CHAIRS**

# BASIC INFORMATION

## Big Data Working Group Members

|  |  |
| --- | --- |
| Brian Dean (Co-Chair)  Paul Hyland (Co-Chair)  Jeremy Barksdale  Nicolas Christin  Geoff Cohen  Rachel Cummings | Rao Mannepalli  Larry Medsker  Alan Rea  Arnon Rosenthal  Ben Shneiderman  *plus all members of the USACM Council* |

## Purpose of the Big Data Working Group

The working group explores public policy issues involving privacy, security, and decision-making surrounding the collection and use of very large datasets.

## Big Data Working Group Meetings

All business is conducted via listserv discussions.

# PROJECT SUMMARY

# Plans

## Proposed Projects

N/A

**Big Data WORKING GROUP** **CONTACTS**

Address list of all committee members and other persons responsible for projects.

Name: Brian Dean

Address: 2170 Fordham Lane, Cleveland, Ohio 44147

Phone: 216-217-0029

Email: brian.dean@cox.net

Responsibility within the Committee: Chair

                        Name:  Paul Hyland

                        Address:  9508 Ocala St., Silver Spring, MD 20901

                        Phone:  202-441-4142

                        Email:  paul@paulhyland.com

                        Responsibility within the Committee: Chair

Appendix J

**ANNUAL REPORT**

**INTERNET OF THINGS WORKING GROUP   
ACM U.S. PUBLIC POLICY COUNCIL**

**JULY 1, 2017 - JUNE 30, 2018**

**SUBMITTED BY NICK FEAMSTER AND ALAN REA, CO-CHAIRS**

# BASIC INFORMATION

## Internet of Things Working Group Members

|  |  |
| --- | --- |
| Nick Feamster (Co-Chair)  Alan Rea (Co-Chair)  Geoff Cohen  Alex Gyori  Cem Kaner  Vince Lipsio | Rao Mannepalli  Peter Neumann  Andy Oram  George Roussos  *plus all members of the USACM Council* |

## Purpose of the Internet of Things Working Group

The working group explores the unique and emergent technical issues that Internet of Things (IoT) and other networked systems bring to policy issues, including privacy and security challenges.

## Internet of Things Working Group Meetings

All business is conducted via listserv discussions.

# PROJECT SUMMARY

# Plans

## Proposed Projects

N/A

**internet of things WORKING GROUP** **CONTACTS**

Address list of all committee members and other persons responsible for projects.

Name: Nick Feamster

Address: 310 Sherrerd Hall

Princeton University

Princeton, NJ 08544

Phone: 609-258-2203

Email: Feamster@cs.princeton.edu

Responsibility within the Committee: Chair

Name: Alan Rea

Address: 1903 West Michigan Ave.

Western Michigan University

Kalamazoo, MI 49008-5412

Phone: 269-387-1444

Email: rea@acm.org

Responsibility within the Committee: Chair

Appendix K

USACM MEMBERSHIP

The 108 individuals listed below were members of USACM in FY 2018. Information about current USACM members is available at: <http://usacm.acm.org/members.cfm>

|  |  |  |
| --- | --- | --- |
| Stuart Shapiro (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 Cummings  Brian Dean  Nicholas Diakopoulos  David Dill  William Doane  Cory Doctorow  Julie Earp  Dave Farber  Nick Feamster  Stuart Feldman  Miles Fidelman  Sorelle Friedler  Simson Garfinkel  Juan Gilbert  Seymour Goodman | Don Gotterbarn  Sarah Granger  James Grimmelmann  Andrew Grosso  Alex Gyori  Mark P. Hahn  Barb Helfer  Jim Hendler  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  Jonathan Lazar  Clayton Lewis  Vince Lipsio  Rao Mannepalli  Aaron Massey  Jeanna Matthews  Larry Medsker  Garry Paxinos  Jon Peha  Ralph Spencer Poore  Mark Rasch  Alan Rea  Jennifer Rexford  Chris Roberts | David Robinson  Arnon Rosenthal  George Roussos  Lynette Millett  James Moody  Sam Morales  John Murray  Arvind Narayanan  Peter G. Neumann  Andy Oram  Paul Otto  Barbara Owens  Anthony S. Ruocco  Pam Samuelson  Curtis Sawyer  Ari Schlesinger  Fred Schneider  Doug Schuler  Andrew Sears  Ben Shneiderman  Barbara Simons  Jonathan M. Smith  Ollie Smoot  Eugene Spafford  Bhavani Thuraisingham  Patrick Traynor  Jaideep Vaidya  Lorenzo Valeri  Emil Volcheck  David Wagner  David Wise  Tao Xie  Alec Yasinsac  Christopher Yoo  Jessica Young  Stuart Zweben |