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Fiscal Year 2017 Annual Report of the ACM U.S. Public Policy Council

*For the Period July 1, 2016 – June 30, 2017*

Submitted by

Stuart Shapiro, Chair, FY 2017

**ANNUAL REPORT**of the U.S. Public Policy Council of the Association for Computing Machinery

For the Period: July 1, 2016 – June 30, 2017

# 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 2017 annual report)

* Stuart Shapiro (USACM Chair)
* Jeremy Epstein (USACM Vice Chair)
* Eugene Spafford (Immediate Past Chair)
* Jeanna Matthews (SIG Representative)
* Andrew Grosso (Law Committee Chair), EC term expires 12/31/17
* Jean Camp (At Large Member), EC term expires 12/31/17
* Harry Hochheiser (Accessibility Committee Chair), EC term expires 12/31/17
* James Hendler (At Large Member), EC term expires 12/31/17
* Jeffrey Forbes (ACM Education Policy Committee Chair), ex officio
* Fabrizio Gagliardi (ACM Europe Policy Committee Chair), ex officio
* Vicki L. Hanson (ACM President), ex officio
* Robert B. Schnabel (ACM Executive Director and CEO), ex officio
* Renee Dopplick (ACM Director of Public Policy), ex officio until 6/2/17; see note

 USACM COUNCIL MEMBERS (for FY 2017 annual report)

* Stuart Shapiro (USACM Chair)
* Jeremy Epstein (USACM Vice Chair)
* Chris Bronk (Digital Governance Chair)
* Brian Dean (Privacy Committee)
* Juan Gilbert (Voting Committee Chair) until 4/1/17; see note
* Barbara Simons (Former USACM Chair then Voting Committee Chair)
* Andrew Grosso (Law Committee Chair)
* Harry Hochheiser (Accessibility Committee Chair)
* Paul Hyland (Intellectual Property Committee Chair)
* Alec Yasinsac (Security Committee Chair)
* Jeanna Matthews (SIG Representative)
* Flo Appel (SIG Representative)
* Jean Camp (At Large), term expires 12/31/17
* Simson Garfinkel (At Large), term expires 12/31/17
* Jonathan M. Smith (At Large), term expires 12/31/17
* Jim Hendler (At Large), term expires 12/31/18
* 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)
* Jeffrey Forbes (ACM Education Policy Committee Chair), ex officio
* Fabrizio Gagliardi (ACM Europe Policy Committee Chair), ex officio
* Vicki L. Hanson (ACM President), ex officio
* Robert B. Schnabel (ACM Executive Director and CEO), ex officio
* Renee Dopplick (ACM Director of Public Policy), ex officio until 6/2/17; see note

**Notes:**

Juan Gilbert stepped down as Voting Committee Chair in March 2017. Barbara Simons is the new Voting Committee Chair.

USACM members elected Meg Jones and Lorraine Kisselburgh and re-elected James Hendler to serve as at-large members with a two-year term beginning with the 2017 calendar year. Sarah Granger and Geoff Cohen rotated off the USACM Council at the end of their terms as elected at-large members. Barbara Simons, Sarah Granger, and Juan Gilbert rotated off the Executive Committee.

Renee Dopplick resigned as ACM Director of Public Policy effective June 2, 2017.

A list of all USACM members is provided in Appendix H.

## 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 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

Seven 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. USACM has three working groups to address emergent policy issues:

**Working Group on the Internet of Things**

Co-Chairs: Alan Rea, Nick Feamster

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.

**Working Group on Big Data**

Co-Chairs: Brian Dean, Paul Hyland

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

**Working Group on Artificial Intelligence**

Co-Chairs: Simson Garfinkel, Jeanna Matthews, Jonathan M. Smith

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

USACM members participated in the following 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 30-31, 2017, in Arlington, Virginia to review policy activities and to determine priorities for the year ahead. 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 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.

Several ACM entities advised on and/or contributed to USACM's public-facing policy activities, including SIGACCESS, SIGCHI, the Education Board, the Education Council, and the Task Force on Cybersecurity Education. USACM also promoted resources from SIGWEB and SIGGRAPH to policy leaders and the media.

## 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 Artificial Intelligence 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, with additional information given within the respective committee report in the appendices. The comments and statements are available for download on the USACM website.

**Comments to the Presidential Commission on Enhancing National Cybersecurity**

USACM submitted comments to the Presidential Commission on Enhancing National Cybersecurity. The comments address the challenges and possible approaches to strengthening cybersecurity in the digital economy while protecting privacy and enabling innovation. The ACM Education Board and the ACM Joint Task Force on Cybersecurity Education provided expert advice and contributions. The comments helped inform the Commission’s Final Report to the President released on December 1, 2016. The Commission’s Final Report mentioned and cited ACM’s work in cybersecurity and the ACM Joint Task Force on Cybersecurity Education.

**Comments to the U.S. Access Board on Information and Communications Technologies (ICT) Refresh**

USACM, via staff, delivered a prepared statement at the U.S. Board’s quarterly meeting. The statement addressed the proposed ICT accessibility regulations for federal government. The verbal statement is a follow up as part of USACM’s ongoing input on the regulations. The Board voted to approve the regulations. The updated regulations will have far-reaching implications. The Access Board has adopted many of USACM’s recommendations throughout a process of over 10 years. The U.S. Access Board released the new ICT regulations on January 9, 2017. The adoption of international standards and mobile was consistent with USACM’s comments.

**Comments to the U.S. Department of . on Accessibility Regulations for State and Local Governments**

USACM submitted comments to the U.S Department of Justice in response to a Supplemental Advance Notice of Proposed Rulemaking (SANPRM) issued by the Department of Justice regarding the implementation of the Americans with Disabilities Act (ADA) title II, which applies to State and local government entities. Specifically, the Department solicited public comment on various issues relating to the potential application of such technical requirements to the websites of title II entities and to obtain information for preparing a regulatory impact analysis. USACM’s comments encourage policy approaches that foster accessibility and usability.

USACM submitted in-depth technical comments that expanded on ongoing work by USACM during the past 10 years to urge harmonization with international accessibility standards and performance-based approaches (not technology-specific).

**USACM Workshop on Algorithmic Transparency and Accountability**

USACM convened small group of computing professionals for a technical workshop to discuss the risks of predictive analytics and algorithmic decision-making in society. During this one-day workshop, attendees discussed policy approaches needed to address algorithmic accountability and transparency. The workshop set the foundation for the principles embodied in the Statement on Algorithmic Transparency and Accountability.

**USACM/EUACM Statement on Algorithmic Transparency and Accountability**

USACM released a Statement on Algorithmic Transparency and Accountability, which contains seven principles designed to address potential harmful bias. A pre-version was distributed at the 2017 FTC PrivacyCon privacy and security research symposium. In May 2017, EUACM endorsed the Statement on Algorithmic Transparency and Accountability. The Statement was re-released as a joint statement with a related media release. The USACM-EUACM Joint Statement demonstrates and affirms shared support for these principles to help minimize the potential for harm in algorithmic decision-making and thus strengthens USACM and EUACM ability to expand policy and media impacts.

**Comments to the National Telecommunications and Information Administration (NTIA) on the Green Paper “Fostering the Advancement of the Internet of Things.”**

USACM submitted comments in response to a request for input on the issues, proposed approach, current initiatives, and next steps laid out in the National Telecommunications and Information Administration (NTIA) green paper “Fostering the Advancement of the Internet of Things.” USACM was cited several times in the green paper and these comments built on that impact. The comments will help inform Department leadership on possible future Department action regarding IoT by highlighting important issues on privacy and security not addressed in the proposed approach laid out in the green paper.

**USACM Statement on Computing and Network Security**

USACM released its Statement on Computing and Network Security, a statement that embodies nine principles to secure modern computational environments. The statement will also serve as the foundation for future policy products on security-related issues. The statement and principles are based on the growing importance of computing and network systems and how essential it is to secure them at the operations and implementation level.

**USACM/EUACM Statement on Internet of Things Privacy and Security**

USACM and EUACM released a joint statement addressing principles of privacy and security for the Internet of Things (IoT). The statement identified supporting privacy and security throughout the IoT device life cycle, developing new technologies to support IoT privacy and security, protecting consumer data, and fostering cooperation among stakeholders as essential to protecting IoT privacy and security.

## Additional Projects in Fiscal Year 2017

**USACM Membership Survey**

USACM conducted an online survey of USACM members to assess and identify priorities for the year ahead and how USACM can better serve its members, ACM members, policy leaders, the computing community, and the public. The responses helped USACM identify new initiatives, activities, and future improvements. A report was circulated to all members of USACM.

**Comments on ACM Code of Ethics 2018**

USACM members formed an ad-hoc working group to provide internal comments on the revision of the ACM Code of Ethics. USACM has submitted comments on each draft thus far.

# Plans for FISCAL YEAR 2018

## Policy Projects in Fiscal Year 2018

USACM 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.

USACM 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.

USACM 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.

**Comments to the National Telecommunications and Information Administration (NTIA) on Promoting Stakeholder Action Against Botnets and Other Automated Threats**

USACM will submit the Statement on IoT Privacy and Security to NTIA as a response to NTIA’s request for comments on actions against botnets and other automated threats. NTIA is interested in how these attacks can be mitigated, and how the endpoint sources of these attacks, especially IoT devices, can be better secured.

**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.

**Guest Editorial in *Communications of the ACM***

The leaders of the Artificial Intelligence Working Group together with USACM leadership are authoring for the September 2017 issue of *CACM* a guest editorial, Toward Algorithmic Transparency and Accountability, describing the roles of USACM and EUACM and highlighting their joint Statement on Algorithmic Transparency and Accountability.

**Policy Event – Off-Hill Panel on Algorithmic Transparency and Accountability**

The panel event will provide a forum for a discussion between stakeholders and leading computer scientists about the growing impact of algorithmic decision-making in society. The panel will invite a discussion as to why USACM thinks the principles on algorithmic transparency are important. The briefing materials will support this event.

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

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

**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.

**EUACM/USACM Statement on Cybersecurity Research**

USACM Council members will consider endorsing a statement reusing text and guiding principles for policy leaders from the ACM Europe Policy Committee White Paper on Cybersecurity.

**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 a statement.

**USACM Statement on Accessibility**

The USACM Accessibility Committee will update their policy principles and incorporate those principles into a statement. The Statement will be presented to the U.S. Access Board at their quarterly Board Meeting.

**USACM Statement on Information Privacy**

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

**USACM Statement on Intellectual Property**

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

**USACM Statement on Digital Governance**

The USACM Digital Governance Committee will identify policy principles and incorporate those principles into a statement.

**USACM Statement on Big Data**

The Big Data Working Group will identify policy principles and incorporate those principles into a statement.

**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 encourage members to author articles 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.

**USACM Participation in EUACM Annual Meeting at ACM Europe Conference**

USACM Vice Chair, Jeremy Epstein, will be participating in the EUACM Annual Meeting at the ACM Europe Conference on September 2017 in Barcelona, Spain.

## Additional Projects in Fiscal Year 2017

**Diversity and Inclusiveness Initiative**

USACM is composed of a diverse community of practitioners, researchers, managers, and other interested parties from government, industry, nonprofit organizations, academia, the self‑employed, and the retired. USACM Council members, similar to its general membership, are located across diverse U.S. geographical locations; by nature, USACM membership is U.S.‑focused. USACM will continue its efforts to support and promote a diverse and inclusive membership. USACM will use the results of its USACM membership survey to identify new ways to further expand the diversity and inclusiveness of its membership and activities.

**Increased Efficiency and Processes**

USACM will explore structural and procedural changes to improve efficiency and effectiveness.

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Appendix A
Accessibility Committee

**ANNUAL REPORT**

of the ACCESSIBILITY COMMITTEE
of the ACM U.S. Public Policy Council
For the Period: July 1, 2016- June 30, 2017

Submitted by 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

**Comments to the U.S. Access Board on Information and Communications Technologies (ICT) Refresh**

USACM, via staff, delivered a prepared statement at the U.S. Board’s quarterly meeting. The statement addressed the proposed ICT accessibility regulations for federal government. The verbal statement is a follow up as part of USACM’s ongoing input on the regulations. The Board voted to approve the regulations. The updated regulations will have far-reaching implications. The Access Board has adopted many of USACM’s recommendations throughout a process of over 10 years. The U.S. Access Board released the new ICT regulations on January 9, 2017. The adoption of international standards and mobile was consistent with USACM’s comments.

**Comments to the U.S. Department of Justice on Accessibility Regulations for State and Local Governments**

USACM submitted comments to the U.S Department of Justice USACM in response to a Supplemental Advance Notice of Proposed Rulemaking (SANPRM) issued by the Department of Justice regarding the implementation of the Americans with Disabilities Act (ADA) title II, which applies to State and local government entities. Specifically, the Department solicited public comment on various issues relating to the potential application of such technical requirements to the websites of title II entities and to obtain information for preparing a regulatory impact analysis. USACM’s comments encourage policy approaches that foster accessibility and usability.

USACM submitted in-depth technical comments that expanded on ongoing work by USACM during past 10 years to urge harmonization with international accessibility standards and performance-based approaches (not technology-specific).

# Plans

## Proposed Projects

**USACM Statement on Accessibility**

The USACM Accessibility Committee will update their policy principles and incorporate those principles into a statement. The Statement will be presented to the U.S. Access Board at their quarterly Board Meeting.

**ACCESSIBILITY COMMITTEE APPENDIX**

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

Name: Harry Hochheiser

 Address: 5607 Baum Boulevard, Pittsburgh, PA 15206

 Phone: 412-648-9300

 Email: hshoch@gmail.com

 Responsibility within the Committee: Chair

Appendix B
Digital Governance Committee

**ANNUAL REPORT**

of the Digital GovernANCE Committee
of the ACM U.S. Public Policy Council

For the Period: July 1, 2016 - June 30, 2017

Submitted by 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

# 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 APPENDIX**

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

Name: Chris Bronk

 Address: 4800 Calhoun Rd, Houston, TX 77004

 Phone: 713-743-5593

 Email: rcbronk@uh.edu

 Responsibility within the Committee: Chair

Appendix C
Intellectual Property Committee

**ANNUAL REPORT**

of the Intellectual Property Committee
of the ACM U.S. Public Policy Council

For the Period: July 1, 2016 - June 30, 2017

Submitted by 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

# 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 APPENDIX**

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

                        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 D
Law Committee

**ANNUAL REPORT**

of the Law Committee
of the ACM U.S. Public Policy Council

For the Period: July 1, 2016 - June 30, 2017

Submitted by 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

# 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 APPENDIX**

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

 Name: Andrew Grosso

 Address: 1101 Thirtieth Street, NW, Suite 300

 Phone: (202) 277-2865

 Email: agrosso@acm.org

 Responsibility within the Committee: Chair, Law Committee

Appendix E
Privacy Committee

**ANNUAL REPORT**

of the PRIVACY Committee
of the ACM U.S. Public Policy Council

For the Period: July 1, 2016 - June 30, 2017

Submitted by 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 monthly Committee calls.

# PROJECT SUMMARY

**Comments to the National Telecommunications and Information and Administration (NTIA) on the Green Paper “Fostering the Advancement of the Internet of Things.”**

USACM submitted comments in response to a request for input on the issues, proposed approach, current initiatives, and next steps laid out in the National Telecommunications and Information Administration (NTIA) green paper “Fostering the Advancement of the Internet of Things.” USACM was cited several times in the green paper and these comments built on that impact. The responses will help inform Department leadership on possible future Department action regarding IoT. The comments will help inform Department leadership on possible future Department action regarding IoT by highlighting important issues on privacy and security not addressed in the proposed approach laid out in the green paper.

**USACM Statement on Computing and Network Security**

USACM released its Statement on Computing and Network Security, a statement that embodies nine principles to secure modern computational environments. The statement will also serve as the foundation for future policy products on security-related issues. The statement and principles are based on the growing importance of computing and network systems and how essential it is to secure them at the operations and implementation level.

**USACM/EUACM Statement on Internet of Things Privacy and Security**

USACM and EUACM released a joint statement addressing principles of privacy and security for the Internet of Things (IoT). The statement identified supporting privacy and security throughout the IoT device life cycle, developing new technologies to support IoT privacy and security, protecting consumer data, and fostering cooperation among stakeholders as essential to protecting IoT privacy and 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.

**USACM Statement on Information Privacy**

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

**PRIVACY COMMITTEE APPENDIX**

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

Appendix F
Security Committee

**ANNUAL REPORT**

of the SECURITY Committee
of the ACM U.S. Public Policy Council

For the Period: July 1, 2016 - June 30, 2017

Submitted by 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

Lynette Millett
Sam Morales

John Murray
Peter G. Neumann

Andy Oram
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 and monthly Committee calls.

# PROJECT SUMMARY

**Comments to the Presidential Commission on Enhancing National Cybersecurity**

USACM submitted comments to the Presidential Commission on Enhancing National Cybersecurity. The comments address the challenges and possible approaches to strengthening cybersecurity in the digital economy while protecting privacy and enabling innovation. The ACM Education Board and the ACM Joint Task Force on Cybersecurity Education provided expert advice and contributions. The comments helped inform the Commission’s Final Report to the President released on December 1, 2016. The Commission’s Final Report mentioned and cited ACM’s work in cybersecurity and the ACM Joint Task Force on Cybersecurity Education.

**Comments to the National Telecommunications and Information and Administration (NTIA) on the Green Paper “Fostering the Advancement of the Internet of Things.”**

USACM submitted comments in response to a request for input on the issues, proposed approach, current initiatives, and next steps laid out in the National Telecommunications and Information Administration (NTIA) green paper “Fostering the Advancement of the Internet of Things.” USACM was cited several times in the green paper and these comments built on that impact. The responses will help inform Department leadership on possible future Department action regarding IoT. The comments will help inform Department leadership on possible future Department action regarding IoT by highlighting important issues on privacy and security not addressed in the proposed approach laid out in the green paper.

**USACM Statement on Computing and Network Security**

USACM released its Statement on Computing and Network Security, a statement that embodies nine principles to secure modern computational environments. The statement will also serve as the foundation for future policy products on security-related issues. The statement and principles are based on the growing importance of computing and network systems and how essential it is to secure them at the operations and implementation level.

**USACM/EUACM Statement on Internet of Things Privacy and Security**

USACM and EUACM released a joint statement addressing principles of privacy and security for the Internet of Things (IoT). The statement identified supporting privacy and security throughout the IoT device life cycle, developing new technologies to support IoT privacy and security, protecting consumer data, and fostering cooperation among stakeholders as essential to protecting IoT privacy and security.

# Plans

## Proposed Projects

**Comments to the National Telecommunications and Information Administration (NTIA) on Promoting Stakeholder Action Against Botnets and Other Automated Threats**

USACM will submit the Statement on IoT Privacy and Security to NTIA as a response to NTIA’s request for comments on actions against botnets and other automated threats. NTIA is interested in how these attacks can be mitigated, and how the endpoint sources of these attacks, especially IoT devices, can be better secured.

**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.

**EUACM/USACM Statement on Cybersecurity Research**

USACM Council members will consider endorsing a statement reusing text and guiding principles for policy leaders from the ACM Europe Policy Committee White Paper on Cybersecurity.

 **SECURITY COMMITTEE APPENDIX**

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

Name: Alec Yasinsac

 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

 Responsibility within the Committee: Chair

Appendix G
Voting Committee

**ANNUAL REPORT**

of the Voting Committee
of the ACM U.S. Public Policy Council

For the Period: July 1, 2016- June 30, 2017

Submitted by Barbara Simons, Chair

Submitted by Juan Gilbert, Chair until April 1, 2017

# 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 APPENDIX**

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

Name: Barbara Simons

 Address: 301 Mission St., Unit 45D

 San Francisco, CA 94105

 Phone: 650-328-8730

Email: simons@acm.org

 Responsibility within the Committee: Chair

Appendix H
Artificial Intelligence

Working Group

**ANNUAL REPORT**

of the ARTIFICIAL INTELLIGENCE WORKING GROUP
of the ACM U.S. Public Policy Council

For the Period: July 1, 2016- June 30, 2017

Submitted by Simson Garfinkel, Jeanna Matthews, and Jonathan Smith, Co-Chairs

# BASIC INFORMATION

## Artificial Intelligence 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 Artificial Intelligence Working Group

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

## Artificial Intelligence Working Group Meetings

All business is conducted via listserv discussions.

# PROJECT SUMMARY

**USACM Workshop on Algorithmic Transparency and Accountability**

USACM convened small group of computing professionals for a technical workshop to discuss the risks of predictive analytics and algorithmic decision-making in society. During this one-day workshop, attendees discussed policy approaches needed to address algorithmic accountability and transparency. The workshop set the foundation for the principles embodied in the Statement on Algorithmic Transparency and Accountability.

**USACM/EUACM Statement on Algorithmic Transparency and Accountability**

USACM released a Statement on Algorithmic Transparency and Accountability, which contains seven principles designed to address potential harmful bias. A pre-version was distributed at the 2017 FTC PrivacyCon privacy and security research symposium. In May 2017, EUACM endorsed the Statement on Algorithmic Transparency and Accountability. The Statement was re-released as a joint statement with a related media release. The USACM-EUACM Joint Statement demonstrates and affirms shared support for these principles to help minimize the potential for harm in algorithmic decision-making and thus strengthens USACM and EUACM ability to expand policy and media impacts.

# 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 – Off-Hill Panel on Algorithmic Transparency and Accountability**

The panel event will provide a forum for a discussion between stakeholders and leading computer scientists about the growing impact of algorithmic decision-making in society. The panel will invite a discussion as to why USACM thinks the principles on algorithmic transparency are important. The briefing materials will support this event.

**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.

**ARTIFICIAL INTELLIGENCE WORKING GROUP**
**APPENDIX**

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
Big Data Working Group

**ANNUAL REPORT**

of the BIG DATA WORKING GROUP
of the ACM U.S. Public Policy Council

For the Period: July 1, 2016- June 30, 2017

Submitted by 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

**USACM Statement on Big Data**

The Big Data Working Group will identify policy principles and incorporate those principles into a statement.

**Big Data WORKING GROUP**
**APPENDIX**

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
Internet of Things Working Group

**ANNUAL REPORT**

of the INTERNET OF THINGS WORKING GROUP
of the ACM U.S. Public Policy Council

For the Period: July 1, 2016- June 30, 2017

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

**Comments to the National Telecommunications and Information and Administration (NTIA) on the Green Paper “Fostering the Advancement of the Internet of Things.”**

USACM submitted comments in response to a request for input on the issues, proposed approach, current initiatives, and next steps laid out in the National Telecommunications and Information Administration (NTIA) green paper “Fostering the Advancement of the Internet of Things.” USACM was cited several times in the green paper and these comments built on that impact. The responses will help inform Department leadership on possible future Department action regarding IoT. The comments will help inform Department leadership on possible future Department action regarding IoT by highlighting important issues on privacy and security not addressed in the proposed approach laid out in the green paper.

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# Plans

## Proposed Projects

**Comments to the National Telecommunications and Information Administration (NTIA) on Promoting Stakeholder Action Against Botnets and Other Automated Threats**

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**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.

**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.

**internet of things WORKING GROUP**
**APPENDIX**

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

USACM had a membership of 108 individuals. 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

Lynette Millett

James Moody

Sam Morales

John Murray

Arvind Narayanan

Peter G. Neumann

Andy Oram

Paul Otto

Barbara Owens

Garry Paxinos

Jon Peha

Ralph Spencer Poore

Mark Rasch

Alan Rea

Jennifer Rexford

Chris Roberts

David Robinson

Arnon Rosenthal

George Roussos

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