Fall Open House
September 17, 2012

Thank you for coming tonight! There are many ways to get involved with the Berkman Center – internships, events, courses, directed research, and more. We hope that you will find this evening's presentations informative and inspiring, and choose to join us in our efforts throughout the year.

Berkman's tight-knit community encourages serious fun and creativity, supports deep inquiry, values novel approaches to solving problems, strives for transparency, continually builds upon best-practices and lessons learned, and is supportive of individual and collective goals. We look forward to growing our community with people who will thrive in and contribute to our unique, fulfilling environment.

Our website is the most comprehensive source of information on the Center's many activities: http://cyber.law.harvard.edu.

To stay connected to the Center, please sign up for one or more of our email lists on the signup sheet at the Open House or at: http://cyber.law.harvard.edu/getinvolved.

For more information about these materials, please contact the Berkman Center at cyber@law.harvard.edu or Rebecca Tabasky at rtabasky@cyber.law.harvard.edu.

Mission

The Berkman Center's mission is to explore and understand cyberspace; to study its development, dynamics, norms, and standards; and to assess the need or lack thereof for laws and sanctions.

We are a research center, premised on the observation that what we seek to learn is not already recorded. Our method is to build out into cyberspace, record data as we go, self-study, and share. Our mode is entrepreneurial nonprofit.

The Center in Brief

The Berkman Center was founded to explore cyberspace, share in its study, and help pioneer its development. We represent a network of faculty, students, fellows, entrepreneurs, lawyers, and virtual architects working to identify and engage with the challenges and opportunities of cyberspace.

We investigate the real and possible boundaries in cyberspace between open and closed systems of code, of commerce, of governance, and of education, and the relationship of law to each. We do this through active rather than passive research, believing that the best way to understand cyberspace is to actually build out into it.

Our faculty, fellows, students, and affiliates engage with a wide spectrum of Net issues, including governance, privacy, intellectual property, antitrust, content control, and electronic commerce. Our diverse research interests cohere in a common understanding of the Internet as a social and political space where constraints upon inhabitants are determined not only through the traditional application of law, but, more subtly, through technical architecture ("code").

As part of our active research mission, we build, use, and freely share open software platforms for free online lectures and discussions. We also sponsor gatherings, ranging from informal lunches to international conferences, that bring together members of our diverse network of participants to swap insights – and sometimes barbs – as they stake out their respective visions for what the Net can become. We also teach, seeking out online and global opportunities, as well as supporting the traditional Harvard Law School curriculum, often in conjunction with other Harvard schools and MIT.

Select Berkman Internship Opportunities

Throughout the academic year, the Berkman Center for Internet & Society welcomes people from all backgrounds to join us in our research as paid interns and research assistants.

In these capacities, interns/RAs are deeply and substantively involved in the operation of Berkman's research projects and efforts. Becoming invaluable contributors to the Center's operation and success, they conduct collaborative and independent research under the guidance of Berkman staff, fellows, and faculty. Specific roles, tasks, and experiences vary depending on the Center's needs and interns' skills.

In addition to connecting directly with Berkman community members tonight about our open positions, more information and application instructions can be found at http://cyber.law.harvard.edu/getinvolved/internships

Fantastic part-time positions are currently available with the below projects:

- **Chilling Effects** – Talk with Adam Holland

- **Cloud Computing Initiative** – Talk with David O'Brien

- **Digital Media Law Project** – Talk with Jeff Hermes and/or Andy Sellars

- **Geek Cave** – Talk with Ed Popko

- **Internet Monitor** – Talk with Rebekah Heacock

- **Media Cloud** – Talk with Amar Ashar

- **metaLAB** – Talk with Matthew Battles

- **Privacy Tools for Sharing Research Data** – Talk with David O'Brien and/or Phil Malone

- **Youth and Media** – Talk with Sandra Cortesi

Notes:
* The typical wage is $11.50 per hour.
* Time commitments typically, but do not always, range from 8-12 hours per week.
* Interns/RAs do not have to be students.
* Interns/RAs do not have to be affiliated with Harvard University.
* We are unable to hire Interns/RAs who will conduct their work outside of the state of Massachusetts.
* We do not have the ability to provide authorization to work in the U.S.

Full-Time Employment Opportunities

We're looking for people to join our full-time staff!   The technically-inclined positions will provide the right candidates the chance to join Berkman's dynamic community in our collaborative exploration of some of the Internet's most interesting, challenging, and compelling issues, and the freedom and responsibility to help direct our cutting-edge initiatives.

Short descriptions for these positions can be found below; full descriptions can be found on the Berkman site and in the Harvard Human Resources system. Applications must be submitted through the Harvard site.

- **Senior Systems Architect** and **Lead Platform Manager, Internet Robustness Project -** Berkman seeks leadership in the planning, design, and implementation of a novel approach that aims to increase the robustness of Internet communication and reduce the vulnerability of websites to deliberate attack. The Senior Systems Architect and Lead Platform Manager roles will own the roadmap for this project and must collaborate with project managers and technical team on features, requirements, and critical technical decisions.

- **Senior Web Developer** - The Berkman Center seeks an enthusiastic web applications developer with strong people skills. The successful candidate will develop web-based applications from the database to the UI. The position will also provide project management support for some application development projects and mentor (in an advisory and support role) junior developers. The Senior web dev is expected to interface directly with clients, working with them to refine vision and scope of projects. The developer will need to keep current with tools and technologies of open source software development and database architecture and will release much of their work under FOSS licenses.

- **Junior Web Applications Developer** - We're looking for an up and coming developer who will thrive in a creative, fun and fast-paced atmosphere with a team of extremely talented and dedicated developers and co-workers. The successful candidate will support a growing WordPress installation, develop web-based applications and build UIs. The developer will also create technical and end-user guide documents. The developer will need to keep current with tools and technologies of open source software. He or she will work as part of a team and support other developers on their projects.

Select Berkman Center Events Fall 2012

Through discussions, lectures, conferences, and other gatherings, the Berkman Center convenes diverse groups around a wide range of topics related to the Internet as a social and political space. The unique interactions generated through these events - both as process and product - are fundamental elements of the Berkman Center's *modus operandi*. We encourage you to join us at the events listed below to learn, engage, and connect with our community

For more information about the events listed on this page and a complete list of our activities, visit: http://cyber.law.harvard.edu/events.

Events are regularly added to our calendar throughout the year. Sign up to receive weekly announcements of our activities on our website: http://cyber.law.harvard.edu/getinvolved.

9/20: **Certificate Authority Collapse** with Nico A.N.M. van Eijk and Axel Arnbak of the Institute for Information Law:
http://cyber.law.harvard.edu/events/2012/09/vaneijk_arnbak

9/25: **Infrastructure: The Social Value of Shared Resources** with Brett Frischmann of Cardozo Law School: http://cyber.law.harvard.edu/events/2012/09/frischmann

10/9: **Collaborative! Open! Reusable! Executable! …Science!** with Berkman Fellow Alberto Pepe: http://cyber.law.harvard.edu/events/luncheon/2012/10/pepe

10/16: **From Goods to a Good Life: Intellectual Property and Global Justice** with Madhavi Sunder of the UC Davis School of Law:
http://cyber.law.harvard.edu/events/luncheon/2012/09/sunder

10/23: **Celebrating Open Access Week - How to Make Your Research Open Access (Whether You're at Harvard or Not)** with Berkman Director Stuart Shieber and Berkman Fellow Peter Suber:
http://cyber.law.harvard.edu/events/luncheon/2012/10/OAweek

Select 2012-2013 Berkman Research Initiatives

For more information about these and the Center's many other research activities, visit: **http://cyber.law.harvard.edu/research**

Blogging Common seeks to capture and present the spirit and wisdom of the blogosphere by surveying bloggers around the globe. In January 2011, Blogging Common launched a survey of 2000 English-language bloggers, half selected from a large random pool and half from a list of highly-linked bloggers. In November 2011, Blogging Common conducted the same survey among 1000 randomly selected and 1000 highly-linked Russian-language bloggers. A report comparing the results of these two surveys was published in June 2012. [http://bloggingcommon.org/]

Broadband Project. Led by Yochai Benkler and Rob Faris, the Broadband team has been focusing its energy on the "Local Next Generation Networks" project, a comprehensive study surveying locally-led efforts to deploy fiber-to-the-premises (FTTP) networks in the United States. The team has been conducting in-depth interviews with project planners and operators of these locally-led FTTP projects, who have been employing diverse business and management models to achieve an array of social, economic, and policy objectives. The research includes quantitative analysis of performance indicators compiled by HLS Library statisticians Constantine Boussalis and Travis Coan as well as by review of published reports and aggregation of secondary data. [http://cyber.law.harvard.edu/research/broadband]

Chilling Effects. Among the first online transparency reports, the Chilling Effects Clearinghouse tracks cease-and-desist notices sent to Internet users and their hosts, in order to gauge the impact of legal threats to online expression. If you've ever seen a Google search return with "In response to a complaint we received under the US Digital Millennium Copyright Act, we have removed result(s) from this page," you've seen a link to Chilling Effects. The site collects -- and helps users to understand -- takedown notices that claim copyright or trademark infringement, defamation, or various jurisdiction-specific complaints. We receive and publish data -- more than 500,000 notices to date -- from individuals and intermediaries including Google, Twitter, and Digg. The project is beginning a major expansion to enhance its relevance as the premier database of takedown notices and as a critical educational resource for the general public. Chilling Effects was founded by Fellow Wendy Seltzer in 2001 and is now a collaboration with the Electronic Frontier Foundation (EFF) and law school clinics across the country. [https://www.chillingeffects.org/]

Cloud Computing Initiative. Led by executive director Urs Gasser and associate director Caroline Nolan, in collaboration with KEIO University (Japan), the NEXA Center (Italy), and the University of St. Gallen (Switzerland), the Cloud Computing Initiative is conducting research on emerging issues, law, policy, and current trends related to cloud computing. Over the past two years, the Initiative has explored issues such as data security and privacy, and interoperability in the cloud in workshops. This year, the project is working towards finalizing a wiki-based repository of interdisciplinary resource,

and creating analytical research papers and practice guides for policymakers. During Fall 2012 the Cloud Computing team at the Berkman Center will be researching comparative governmental approaches to cloud computing. This research is aimed at understanding the various ways in which governments are using, regulating, and promoting the cloud computing industry on a global scale.

The **Cooperation Group** is an interdisciplinary community of scholars studying networked cooperation. Current activities include a variety of empirical research projects on online collaboration, as well as a weekly meeting in which participants present and discuss research on cooperation from a variety of disciplines. These efforts are overseen by Berkman Faculty Director Yochai Benkler. [http://cyber.law.harvard.edu/research/cooperation]

Copyright for Librarians. Led by Terry Fisher and conducted in collaboration with international nonprofit eIFL.net (Electronic Information for Libraries), the Copyright for Librarians project aims to deliver a distance-learning program on copyright for librarians. Since its March 2010 launch, the wiki-based materials have been periodically updated and translated into Serbian, Chinese, Arabic, Russian, French, and Polish by instructors in each country. Most recently, in June 2012, the Romanian translation of "Copyright for Librarians: an online open curriculum in copyright law" was launched in Moldova. The course materials aim to inform librarians about copyright law in general and the aspects of copyright law that most affect libraries, especially those in developing and transitioning countries. The curriculum includes nine modules organized into five different levels that can be used as the basis for a self-taught course, a traditional classroom-based course, or a distance-learning course. Published in Summer 2012, *Copyright for Librarians: the essential handbook* provides a useful adjunct to the online course, especially for those with limited connectivity or who simply prefer to study from a textbook. Consortium partners will receive a copy, and it is available on print-on-demand. [http://cyber.law.harvard.edu/copyrightforlibrarians/]

Cyberlaw Clinic. Run under the direction of Harvard Law School Clinical Professor Phil Malone, the Cyberlaw Clinic engages HLS students in real-world litigation, client counseling, advocacy, and transactional / licensing projects and cases, covering a broad spectrum of legal issues relating to the Internet, new technology, and intellectual property. The Clinic strives both to help clients achieve success in their activities online, mindful of (and in response to) existing law and to shape the law's development through policy and advocacy efforts. The Cyberlaw Clinic was the first of its kind, and it continues its tradition of innovation in its areas of practice. The Clinic's work includes counseling and providing legal guidance regarding open access, digital copyright, and fair use issues; engaging in litigation, drafting *amicus* filings, and otherwise promoting speech and the interests of those who choose to speak anonymously online; preparing legal resources and advice for citizen journalists; advising clients on intellectual property licenses and other contracts, including Creative Commons and other "open" licenses; supporting patent reexamination requests in connection with overly broad technology patents; and drafting briefs, motions, and training materials in the areas of child pornography and youth online safety. The Clinic works independently, with law students supervised by experienced and licensed attorneys. In appropriate cases, the

Clinic collaborates with counsel throughout the country (including the law firm Cooley LLP) to take advantage of regional or substantive legal expertise. Recognizing that the practice of law in the online world is complex and interdisciplinary, the Cyberlaw Clinic strives to provide expertise in a diverse range of practice areas. Many of the Clinic's clients have needs that cut across areas of specialization, and individual projects may raise a multitude of legal issues. [http://cyber.law.harvard.edu/teaching/cyberlawclinic]

Cybersecurity. Since spring 2010, under the guidance of Professor Jack Goldsmith, the Berkman Center team has been developing and maintaining the Cybersecurity wiki, which houses an evolving set of more than 350 foundational articles, annotations, literature, and other resources on cybersecurity, broadly-defined. The wiki is intended to be a resource for researchers, technologists, students, policy-makers and others who are interested in cybersecurity issues more broadly. As a starting point, resources were chosen based on the recommendations from select researchers, academics, and other experts. We have continued to build upon and grow this collection. Most recently, we added an evolving Case Studies page and a collection of suggested syllabi on the open H2O online textbook platform for teaching topics related to Cybersecurity. This year, the team will continue to add more recent publications, based on feedback and recommendations from external reviewers, community members, students, and others. [http://cyber.law.harvard.edu/cybersecurity/]

The **Digital Media Law Project** (DMLP) works to ensure that individuals and organizations involved in online journalism and digital media have access to the legal resources, education, tools, and representation that they need to thrive. The DMLP carries out its mission through five core initiatives: (1) maintaining a detailed legal guide on media and business law topics for non-lawyers; (2) compiling a searchable database of complaints and other legal threats directed at online publishers; (3) engaging in research and responsive activity to address breaking issues in digital media law; (4) facilitating access for online publishers to legal representation through its nationwide attorney referral service, the Online Media Legal Network; and (5) publishing regular blog entries on current issues in media law, technology law and journalism. [http://www.dmlp.org, http://www.omln.org]

The **Digital Public Library of America** (DPLA) Steering Committee and its six working groups, or workstreams, are leading the first concrete steps toward the realization of a large-scale digital public library that will make the cultural and scientific record available to all. The DPLA planning initiative grew out of an October 2010 meeting at the Radcliffe Institute for Advanced Study, which brought together over 40 representatives from foundations, research institutions, cultural organizations, government, and libraries to discuss best approaches to building a national digital library. In December 2010, the Berkman Center for Internet & Society, generously supported by the Alfred P. Sloan Foundation, convened leading experts in libraries, technology, law, and education to begin work on this problem; a two-year process of intense grassroots community organization, beginning in October 2011 and hosted at the Berkman Center, will result in a realistic and detailed workplan for launching the DPLA, as well as unveiling of a prototype of the system with specially digitized materials. [http://dp.la]

E-Publishing Models. Supported by the Revson Foundation, and led by Urs Gasser and John Palfrey, the E-Publishing Models Project is focused on exploring current issues associated with digital publishing business models and access to electronically published materials in libraries. The goal of this initiative is to identify key problems and potential solutions and to lay the groundwork for a suite of activities aimed at developing new models of e-book lending for use in libraries that are acceptable to libraries and publishers alike. In 2012, the E-Publishing Models team released its first workshop report - "E-Books in Libraries: A Briefing Document developed in preparation for a workshop on E-Lending in Libraries".
 [http://cyber.law.harvard.edu/research/epublishing_models]

The **Global Network Initiative** (GNI) is a multi-stakeholder coalition comprised of technology companies, investors, academics, and rights groups focused on advancing and protecting online free expression and privacy in the ICT sector. The Berkman Center has played a critical role in supporting the GNI's organizational development as it strengthens and expands its global reach, community, message, and efficacy—all essential attributes of a successful and sustainable organization. Since the GNI's formal launch in 2008, our team has advanced research, learning, and policy engagement on GNI issues and within the GNI; supported companies in their implementation efforts; and strengthened the voice and contributions of the GNI to global conversation on the role and impact of ICT companies. We have conducted research on a variety of emerging issues, including account deactivation and content removal, human rights risk assessments in the ICT space, and the impact of Arab Spring, among many others.

Berkman continues to participate in the GNI process by supporting its ongoing development and evolution and in learning from the GNI as an innovative digital institution that seeks to address gaps where law and policy are insufficient.
[http://cyber.law.harvard.edu/research/principles]

Government Innovation. Local, state, and federal governments around the world have focused on the release of government data as a key initiative forwarding transparency, accountability, and democracy. The issues at the top of every city's agenda – education, public health, public safety, human services – involve sensitive personal data; giving citizens access to their own data may empower those citizens to help themselves make better choices about their futures. The Berkman Center's work in city-level government innovation is aimed at incubating standard practices for releasing personal data held by cities (concerning education, health, benefits, and other matters) to the data subjects (citizens) themselves. A longer-term goal is the identification of effective ways for cities to collaborate with one another on open government standards and practices that will give citizens greater democratic agency.

H2O. With support from and in collaboration with the Harvard Law School Library, the Berkman Center has developed a Web-based platform — H2O — for creating, editing, organizing, consuming, and sharing course materials. H2O allows professors to freely develop and collate course materials by selecting cases from a growing repository, by editing those cases to the sections that are most relevant to their particular pedagogy and approach, by adding media items (such as images, audio, PDFs, and video), and by providing descriptions and comments. Once the materials are assembled, they can be copied in part or in whole by other interested faculty and then edited further. Initially developed several years ago, these classroom tools have undergone significant developments in the last two years. Following a successful beta test in fall 2011 in Professor Zittrain's Torts class, the H2O team anticipates a public launch of the platform in the coming months after an active period of technical testing and feature development. [http://cyber.law.harvard.edu/research/h2o]

Harvard Library Lab is a collaboration with groups in the Harvard Library, Harvard University Information Technology Library Technology Services, and the Office for Scholarly Communication, and is supported by the Berkman Center. By offering infrastructure and financial support for new enterprises, the Lab offers opportunities for individuals to innovate, cooperate across projects, and make original contributions to the way libraries work. The Lab leverages the entrepreneurial aspirations of people throughout the library system and beyond and promotes projects in all areas of library activity. In this collaboration, Berkman provides technical infrastructure, by way of our software development expertise and established production infrastructure, to projects that have a technical need in their process to innovate within the Library. Though this process the Geeks have become more involved in collaborations with groups, not only with direct connection to the Lab, but throughout Harvard as a whole. [http://osc.hul.harvard.edu/liblab]

Harvard Open Access Project (HOAP). Led by Peter Suber, HOAP fosters the growth of open access (OA) to research, within Harvard and beyond, through consultation, collaboration, and direct assistance. In addition, it undertakes research and policy analysis on OA, and provides OA to timely and accurate information about OA itself. HOAP works with on-campus partners, such as the Office for Scholarly Communication, the University Libraries, and Law School Library, and with off-campus partners such as Electronic Information for Libraries (eIFL), Enabling Open Scholarship (EOS), the Open Access Directory (OAD), and the Scholarly Publishing and Academic Resources Coalition (SPARC). Open access shares knowledge, accelerates research, maximizes the return on our investment in research, and speeds the development of all the benefits that depend on research, from new medicines and useful technologies to informed decisions, solved problems, and improved public policies. [http://cyber.law.harvard.edu/hoap]

Herdict collects and disseminates real-time, crowdsourced information about Internet filtering, denial of service attacks, and other blockages. The brainchild of Harvard Professor Jonathan Zittrain, and led by Ryan Budish, it is the first and only large-scale project of its kind. When individuals can't access a site, they can report that experience to Herdict through browser toolbars, e-mail, Twitter, or Herdict.org. Herdict aggregates this data to create a real-time map of global Internet health. This data can be sorted and visualized by country, URL, and date, creating a picture of changes as they are happening. Herdict's name is a portmanteau of 'herd' and 'verdict.' We seek to gain insight into what users around the world are experiencing in terms of web accessibility; or in other words, determine the herdict.
[http://www.herdict.org]

The **Information Quality Project** builds upon numerous publications, including the 2012 report, "Youth and Digital Media: From Credibility to Information Quality", and aims to develop a theory of information quality that reflects fundamental shifts in the information ecosystem in the age of digital media. Led by Executive Director Urs Gasser and conducted in close collaboration with Berkman Fellow Sandra Cortesi, HLS Research Librarian and Curriculum Specialist June Casey, and Project Coordinator Alicia Solow-Niederman, this project examines the history, contexts, perspectives, intervention tools, coping mechanisms, challenges, and implications of this fundamental shift. Topics will have a cross-sectional and synthesizing quality, and special attention will be paid to the complex interplay of law, norms, technology, and markets. The project will build upon relevant Berkman work developed in the context of the Youth and Media Project, the March 2012 Truthiness in Digital Media symposium, and a host of other examples; it will also seek to leverage the Center's existing network of experts and institutional partners with overlapping interests and expertise. Over time, the effort will put forth a number of different outputs and focal points, such as case studies, blogposts, podcast interviews, an online repository of resources, and a University Press book.

The **Internet Monitor** is a research project to evaluate, describe, and summarize the means, mechanisms, and extent of Internet content controls and Internet activity around the world. The project will compile and curate data from multiple sources, including primary data collected by the Berkman Center and our partners, as well as relevant secondary data. The Internet Monitor will create a freely available online fact base that will give policy makers, digital activists, and user communities an authoritative, independent, and multi-faceted set of quantitative data on the state of the global Internet. The project will also produce annual reports that compile this information and provide expert analysis on the state of the global Internet.
[http://cyber.law.harvard.edu/research/internetmonitor]

The **Internet Robustness** project will develop, test and pilot technologies to deliver on the promise of the URL, or "Uniform Resource Locator": that information placed online can remain there, even amidst network or endpoint disruptions. The project's approach is to enable operators of Web servers to enter easily into mutual aid arrangements, such as mirroring other participants' content and having the deed reciprocated, so that the failure of any one participant to remain online allows others to preserve what was there. This project is designed to improve the resiliency and robustness of the Web in a wide variety of Internet contexts around the world, offering an alternative route to Web content in the event of intentional blocking, hacking or denial of service attacks, or unintentional hosting or server failures. The project's ultimate aim is to make for a more robust and stable Web, from Silicon Valley to London to Beijing to Tehran. [http://cyber.law.harvard.edu/research/internet robustness]

Interoperability. Led by John Palfrey and Urs Gasser, in June 2012, the Interoperability Project celebrated an important milestone: the release of Palfrey and Gasser's book *Interop: The Promise and Perils of Highly Interconnected Systems*. The publication is an extension of their 2007 study and paper, "Breaking Down Digital Barriers: When and How ICT Interoperability Drives Innovation" (Berkman Center Research Publication, 2007), and their many years of research on various dimensions of interoperability in the digital world and beyond. *Interop* investigates the relationship between interoperability and innovation in the ICT environment and other contexts, sharpening the theory of interoperability as well as identifying its relevance for consumers, companies, policy-makers, and the public. The book also inspired a series of 10 case studies, which examine specific topics relevant to interoperability, and the interplay of law, policy, technology, and economics within those real-world examples. [http://cyber.law.harvard.edu/research/interoperability]

islawmix connects news readers, media producers, and legal scholars with credible, authoritative information about trends in Islamic law ("sharī'a"), by developing innovative aggregation and visualization tools to: map the growing landscape of news stories about Islamic law in traditional and new media; analyze trends on that landscape, including metrics for sourcing, subject-matter covered, and spread of issues on the new and legacy media outlets; and offer resources, background briefs, and in-depth analysis related to trending issues by the small group of experts who have significant, relevant experience and expertise.
 [http://islawmix.org/]

Law Lab. In its first three years of its existence, the Law Lab pursued a broad range of research, development, and capacity-building activities focused on digital identity approaches, digital business organization platforms (including, most notably, LLC formation software), methods for educating law students and practitioners about these institutions, and an experimental and observational platform that forms the basis for multi-disciplinary research into economic behavior and related fields. Looking forward, the Law Lab will promote the adoption of its digital business organization software and explore opportunities to integrate it with social media tools and cloud-based services, develop additional digital institutions for enterprise and innovation, and explore the role of interoperability in creating institutions with the

potential for generative interaction and growth. The Law Lab will also continue its focus on the study and development of other technologically driven advances in legal practice, education, and administration.
[http://cyber.law.harvard.edu/research/lawlab]

Media Cloud is a project that seeks to track news content comprehensively – providing open, free, and flexible tools for quantitative analysis of media trends. Print newspapers are declaring bankruptcy nationwide. High-profile blogs are proliferating. Media companies are exploring new production techniques and business models in a landscape that is increasingly dominated by the Internet. There has been a shift from discourse in the mass-mediated public sphere, where a very few actors offered reporting and analysis to audiences of millions, to a networked public sphere, where millions can create reporting or analysis and tens of thousands do, reaching audiences that range from dozens to millions in complex and overlapping configurations. In the midst of this upheaval, it is difficult to know what is actually happening to the shape of our news. Beyond one-off anecdotes or painstaking manual content analysis, there are few ways to examine the emerging news ecosystem. The tools used to understand attention and framing in broadcast media are inadequate to this new task; we need new tools to understand how corporations, political parties, activists and individuals influence and shape media narratives in the networked public sphere. To understand these mechanisms is to begin to understand the dynamic critical to the operation of 21st century democracy. Media Cloud is a set of tools designed to address these issues and capture these conversations taking place online and in print and broadcast media.
[http://www.mediacloud.org]

Media, Innovation and Engagement in Nigeria. In partnership with Berkman Faculty Associate Michael Best and his colleagues at the Technologies & International Development Lab at Georgia Tech, we worked closely with EnoughIsEnough Nigeria, the Nigerian Elections Coalition, the Digital Bridge Institute, and MIT's Center for Civic Media to leverage and track the impact of social media in Nigeria's April 2011 elections. As a sort of culmination of a series of international workshops and conferences that looked at civic engagement and technologies more broadly and in electoral contexts, the team developed technologies and processes to enable real-time analysis and response to data streams including Twitter, SMS, blogs, mainstream media, Ushahidi instances, and more, peaking at fifty new items per second. After distilling broader lessons from the experience and exploring the implications for use of social media in elections, we are exploring next steps that focus on catalyzing media innovation and implementation by civil society (and youth, in particular) to promote transparency, accountability and good governance.

metaLAB (at) Harvard is a research and teaching unit dedicated to exploring and expanding the frontiers of networked culture in the arts and humanities. Intended as an open space for experimentation, project development, and information sharing, metaLAB serves as an institutional hub for Harvard's digital art, design, and humanities communities while actively collaborating with extramural partners both locally and worldwide. Our domains of inquiry include curatorial innovation in libraries, museums, and public space; networked urbanism and the media archeology of cities; and experimental, media-infused digital publishing that is iterable, interactive, and open. This year, metaLAB is developing three major projects: Teaching with Things, an initiative to explore the use of digital 3D models and multimedia to document, annotate, and remix objects in Harvard's libraries and museums for teaching in the College and beyond; Library Observatory, a forum for students, researchers, and librarians to visualize library collections and data; and Networks and Natures, a scholarly initiative to explore the impact of networks on our relationship with the natural world. In addition to these collaborative projects, metaLAB researchers are pursuing their own work in technological, expressive, and scholarly veins, and we welcome input and energy from the Harvard community and beyond. [http://metalab.harvard.edu/]

The **Mindsport Research Network** aims to build multiple experimental frameworks for understanding human strategic thinking in mind sports. Research will extend not only to understanding the intuitive thinking process of outstanding competitors, but also to the potential educational, emotional, intellectual and economic benefits for students in mind sport cooperation and competition. Strategic games express the approach and metaphorical framework that informs strategic thinking in the cultures that play each game. Quintessential mind sports include GO, Chess, Bridge, and Poker. The concept extends to the mental component of all strategic games. The Mindsport Research Network invites connection with research centers at other universities pursuing research grounded in the leading strategic games of their culture. The Mindsport Research Network facilitates collaboration between participating academic centers and world-class mind sport players from world cultures.
[http://cyber.law.harvard.edu/research/mindsport]

Mobilization for Change in the Arab Region. This research project studies the role of the networked public sphere in advancing civic participation and collective action in the Arab region. Carried out in collaboration with researchers from the American University in Cairo, this project tracks activity in the blogosphere, Twitter, Facebook and other digital media, and utilizes a mix of quantitative and qualitative approaches to study networked civic participation. The research is designed to assess how information is mediated through different networks and how it is consumed and feeds into civic engagement. The project seeks to advance relevant theories and draws on newly emerging analytical tools and research methods. A concerted effort is made to leverage and coordinate the activities of researchers studying these processes across a range of disciplines.

New Media Nollywood. In a convergence of media, creativity, economic development, storytelling, intellectual property and much more, we are working to understand the Nigerian film industry. Colloquially known as Nollywood, Nigeria is the world's most prolific movie producer, producing up to 40 new movies a week – roughly five times as many as Hollywood – and trailing only the US and India in economic terms, generating upwards of $250 million per year and employing directly and indirectly up to one million people. With its distinct African aesthetic, just as significant is Nollywood's enormous cultural relevance. Nollywood is also completely digital, unlike any other national film industry, with national and international distribution primarily via DVD, and often unlicensed. With Nigeria's increasingly vibrant tech scene and population, the sector is becoming more open to broader use of digital media technologies and the ideas that power them. As an exploratory collaboration with academics, non-profits, industry players and other stakeholders, we are learning about these issues and the possibilities that they offer -- and identifying opportunities to pilot resulting concepts.

The **Open Internet Advisory Committee** (OIAC) was formed to advise the Federal Communications Commission on matters related to the Open Internet Rule and Order. It is chaired by Jonathan Zittrain and has four working groups: mobile broadband, economic impacts of open internet frameworks, transparency and specialized services. The Berkman Center has been involved in planning meetings for the OIAC as well as creating briefing materials.

The **OpenNet Initiative** (ONI) identifies and documents Internet filtering and surveillance. The ONI produces a range of publications. Country reports describe content regulation policies and practices for dozens of countries around the world. ONI also produces thematic reports, including recently an analysis of filtering by Microsoft's Bing search engine of keywords related to sex and LGBT issues across the Arab world, a report that documents the various mechanisms of content control on privately owned platforms such as Facebook, and a report on the use of Western filtering tools and services by governments in the Middle East. [http://opennet.net/]

Privacy Tools for Sharing Research Data Project. The Center for Research on Computer Science (CRCS) at the School of Engineering and Applied Sciences, the Institute for Quantitative Social Science (IQSS), and the Berkman Center for Internet & Society are kicking off an exciting collaborative project this fall to develop computational and legal methods, tools, and policies to further the tremendous value that can come from collecting, analyzing, and sharing data while more fully protecting individual privacy. Additional information will be announced in the coming weeks.

Teaching, Pedagogy, and Technology. The Berkman Center's commitment to test, incubate, and advance new interdisciplinary methodologies and approaches extends to teaching, as faculty systematically experiment with the use of technology in both formal and informal learning and education settings. In addition to such faculty-led and related teaching efforts, the Center is interested in exploring and identifying innovative approaches at the intersection of pedagogy and technology, including working with others at Harvard and MIT on opportunities presented by the recently-launched edX platform.

Youth and Media Project. Led by John Palfrey and Urs Gasser, in close collaboration with Berkman Fellow Sandra Cortesi and Project Coordinator Nathaniel Levy, the Youth and Media Project at the Berkman Center encompasses an array of research, advocacy, and development initiatives around youth and technology. By understanding young people's interactions with digital media such as the Internet, cell phones, and video games, this project seeks to address the issues raised by young people's practices, learn how to harness the opportunities presented by young people's digital fluency, and shape our regulatory and educational frameworks in a way that advances the public interest. In 2012, the activities of the Youth and Media team focused primarily on the diverse activities of the Youth and Media Lab and efforts related to the Berkman Center's partnership with the Born This Way Foundation. [http://cyber.law.harvard.edu/research/youthandmedia]

The **Youth and Media Lab** is a youth-driven research and development lab for media literacy, information literacy, and digital empowerment whose goals include increasing youth participation in the formation of research agendas and promoting innovation in digital learning. During its second year, the Lab demonstrated progress in each of its central areas of activity: exploratory research, curriculum development and peer teaching/learning, and tool development/content creation. [http://youthandmedia.org]

Berkman Center Board of Directors Welcomes Five New Members

May 10, 2012

Cambridge, MA — The Berkman Center for Internet & Society at Harvard University announced today that five new members have been appointed to its Board of Directors, bringing the total number of directors to thirteen. The new members are: Susan Crawford (Visiting Stanton Professor of the First Amendment at the Kennedy School of Government; Visiting Professor at Harvard Law School); Phillip Malone (Clinical Professor of Law; director, Cyberlaw Clinic); Felix Oberholzer-Gee (Andreas Andresen Professor of Business Administration; Chair, MBA Global Program); Jeffrey Schnapp (Professor of Romance Languages & Literatures and Comparative Literature; faculty at the Graduate School of Design; Faculty Director, metaLAB (at) Harvard project); and Mark Wu (Assistant Professor of Law).   The renewed Board will help the Center continue to build collaborations that cross disciplinary and institutional boundaries.

"I am delighted to welcome these five outstanding faculty to our leadership group," said Terry Fisher, Chair of the Board. "Each brings to the Center great expertise and energy – and in some cases a rich history of collaboration. I very much look forward to working with all of them."

The Board of Directors shapes the Berkman Center's overall vision and makes significant financial, research, academic, personnel, governance, and other overarching organizational decisions. Terry Fisher remains the Chair of the Board. Continuing as directors are: Professors Yochai Benkler, John Deighton, Charles Nesson, John Palfrey, Stuart Shieber, and Jonathan Zittrain. Urs Gasser continues as Executive Director, leading implementation of the vision and objectives set forth by the Board.

"The Berkman Center is a jewel, preeminent in the study of Internet governance and law, and it is also a model of innovative collaboration, research, and teaching," said Harvard Law School Dean Martha Minow. "The participation of Susan Crawford, Phil Malone, Felix Oberholzer-Gee, Jeffrey Schnapp, and Mark Wu ensures its ongoing dynamism and creativity, and I am delighted that the Center will have the benefit of their vision and expertise which ranges across the fields of intellectual property, internet technology and policy, communications law, cybercrime, cybersecurity, freedom of speech and anonymity, privacy, economics, and globalization. I salute the fine board service of Mark Edwards, Jack Goldsmith, Alex Keyssar, and Charles Ogletree. With the continuing leadership of Terry Fisher, Urs Gasser, Charles Nesson, Yochai Benkler, John Deighton, John Palfrey, Stuart Shieber, and Jonathan Zittrain and the new group of board members, the Berkman Center will dazzle, innovate, and set the standard."

The Berkman community joins Dean Minow and the Board in thanking those members whose terms are coming to a close. They have contributed enormously to the life of the Center, and in particular have helped to guide its transition from an organization rooted exclusively in the law school to a university-wide Interfaculty Initiative.

About the Berkman Center directors:

Yochai Benkler, Jack N. and Lillian R. Berkman Professor of Entrepreneurial Studies, Harvard Law School, teaches and writes about the Internet and the emergence of networked economy and society, as well as the organization of infrastructure, such as wireless and broadband communications.

Susan Crawford, (Visiting) Stanton Professor of the First Amendment at Harvard's Kennedy School of Government; Visiting Professor at Harvard Law School. Prof. Crawford is on the faculty of Cardozo Law School, where she studies Internet policy, communications law and the use of technology by government.

John Deighton, Harold M. Brierley Professor of Business Administration at Harvard Business School, studies online marketing, conducted largely by close study of specific situations. Recent research has included the use of social media in the Obama/Clinton primary campaign, corporate use of blogging and Facebook presence, management styles and practices in the shift in the music industry from physical to digital product, and a series of cases on the processes by which viral videos were propagated online and offline.

William Fisher, WilmerHale Professor of Intellectual Property Law at Harvard Law School, focuses on Copyright, Patent, and Trademark Law and American legal History.

Urs Gasser, Executive Director, Berkman Center for Internet & Society at Harvard University. His research and teaching focuses on information law and policy and the interaction between law and innovation.

Phillip Malone, Clinical Professor of Law at Harvard Law School; Director of the Law School's Cyberlaw Clinic at the Berkman Center for Internet and Society. Prof. Malone's research and teaching focus on cybercrime, online speech and anonymity, online privacy, and intellectual property among the many dimensions of Internet law.

Charles Nesson, William F. Weld Professor of Law, Harvard Law School; founder of Berkman Center. Prof. Nesson's myriad research interests include evidence, criminal law, cyberlaw and technology in teaching.

Felix Oberholzer-Gee, Andreas Andresen Professor of Business Administration at Harvard Business School; Chair, MBA Global Program. Prof. Oberholzer-Gee's research is centered on competitive strategy, international competition, and non-market strategy, a branch of strategic management that studies how companies best work with government and non-governmental groups. In recent work, he studied how entertainment companies can successfully manage the digital transition.

John G. Palfrey, Henry N. Ess III Professor of Law; Vice Dean, Library and Information Resources, Harvard Law School. Prof. Palfrey studies intellectual property, access to knowledge, Internet & democracy, and youth & technology. He is currently leading Berkman's involvement in the Digital Public Library of America project.

Jeffrey T. Schnapp, Professor of Romance Languages & Literatures and Comparative Literature; faculty at the Graduate School of Design; faculty director of the metaLAB (at) Harvard project. Prof. Schnapp is a cultural historian with research interests extending from antiquity to the present, largely centering around his pioneering work in the domains of digital humanities and digitally augmented approaches to cultural programming.

Stuart Shieber, James O. Welch, Jr. and Virginia B. Welch Professor of Computer Science, Harvard School of Engineering and Applied Sciences; Director, Office for Scholarly Communication. Prof. Shieber studies communications across many dimensions, including programming languages, graphical languages and human linguistics. In his capacity in the Office of Scholarly Communication, Shieber spearheads efforts to open, share and preserve scholarship across Harvard.

Mark Wu, Assistant Professor of Law, Harvard Law School. Prof. Wu's research focuses on international trade and related issues of intellectual property law, economics and globalization. Prof. Wu is a specialist on legal and economic development of East Asia, particularly China.

Jonathan Zittrain, Professor of Law, Harvard Law School; Harvard Kennedy School of Government; Professor of Computer Science, Harvard School of Engineering and Applied Sciences. Prof. Zittrain's research includes digital property, privacy, and speech, and the role played by private "middlepeople" in Internet architecture. He has a strong interest in creative, useful, and unobtrusive ways to deploy technology in the classroom.

Berkman Center Fellowship Program

Berkman Center fellowships provide the opportunity for innovative thinkers and changemakers to hone and share ideas, find camaraderie, and spawn new initiatives.

The program aims to encourage and support fellows in an inviting and rigorous intellectual environment, with community activities designed to foster inquiry and collaboration. Together fellows actively participate in exchanges through a weekly fellows hour, various online media, fellows-run working groups, and a wide-range of events and interactions. With Berkman faculty, students, staff, and other affiliates, fellows help to develop and advance Berkman Center projects, and learn and teach through courses, curricula and diverse gatherings. An appointment that defies one-size-fits-all description, each Berkman fellowship carries a unique set of opportunities, responsibilities and expectations.

More information about the fellows program can be found online at: http://cyber.law.harvard.edu/getinvolved/fellowships.

We will begin to accept applications for 2013-2014 fellowships later in the fall.

Information about Berkman's 2012-2013 Fellows Class

The Berkman Center for Internet & Society at Harvard University announced the fellows who will join the community in the 2012-2013 academic year, continuing a tradition of providing a home for some of the most incisive and creative minds in law, technology, and social science, alongside path-breaking entrepreneurs and activists.

"The 2012-2013 fellows bring to Berkman an astounding level of expertise, a diversity in viewpoints and interests, and a willingness to innovatively and deeply engage the many pressing questions related to the ongoing development of the Internet" said Urs Gasser, Berkman's Executive Director. "Their commitment to spending the next year in Cambridge provides us the opportunity to build bridges across our shared and independent activities, and to serve the public interest with rigorous research, concerted action, and genuine kinship. We very much look forward to the year ahead with this inspiring group of colleagues."

Notably, the Berkman Center and the Nieman Foundation for Journalism at Harvard, will host two inaugural Nieman-Berkman Fellows in Journalism Innovation.

In addition to our fellows, each year the Berkman Center's community is strengthened by relationships with faculty associates, fellows advisory board members, and affiliates and partners the world over. Their contributions are fundamental to the Berkman Center's work and identity, helping to further bolster ties among organizations around the world and to bolster the capacity of the field.

New 2012-2013 Berkman fellows:

Kendra Albert will deepen her relationship with Berkman and work on the H2O project for open educational resources, as well as explore new topics in generativity and online gatekeeping.

Meg Leta Ambrose, a Ph.D. candidate at the University of Colorado's interdisciplinary ATLAS Institute, will explore the legal, social, and technical issues surrounding the proposed digital right to be forgotten.

Laura Norton Amico, editor and founder of Homicide Watch in Washington, D.C., will study criminal justice journalism in the digital age, focusing on best practices, useful tools and new models for crime and courts reporting. She is one of two new Nieman-Berkman Fellows in Journalism Innovation.

Maurice Ashley, an International Grandmaster of Chess, is working with Berkman's Mind Sports Network to research and develop curricula centering on how games can be used to effectively impact subject learning online, in classrooms and in libraries around the world.

Bodó Balázs, a Fulbright Visiting Researcher from the Budapest University of Technology and Economics, will work on his book on bottom-up, voluntary intellectual property regimes that emerge in piratical file-sharing communities and other informal media economies.

Matthew Becker, a Harvard Law School 3L and Editor-in-Chief of the Harvard Journal of Law & Technology, will explore a solution to the problem of adhesive standard form contracts such as terms of service, using an approach that draws on the decentralized nature of the Internet.

Jacques de Werra, Professor of intellectual property and contract law at the University of Geneva, will conduct research on the development of global intellectual property licensing policies in the online environment.

Ruha Devanesan, Executive Director of Internetbar.org, will research the impact of the digitization of the music industry on developing world music creation and consumption.

Borja Echevarría de la Gándara, Deputy Managing Editor of El País in Spain, will study the structural evolution of newsrooms around the world and how disruptive innovation is altering traditional business and workflow models for news. He is one of two new Nieman-Berkman Fellows in Journalism Innovation.

Eric Gordon, Associate Professor at Emerson College and Director of the Engagement Game Lab, will examine how social media and games are transforming local civic engagement.

Phil Hill, a J.D. candidate at Harvard Law School, will explore copyright law and policies relating to creative expression in the digital age.

Diana Kimball, an MBA candidate at Harvard Business School, will apply an open-source ethos to her work on mentoring and her research on internet culture.

Rosemary Leith, a Director of the World Wide Web Foundation, will join Berkman's Internet Robustness team, building awareness and facilitating partnerships in the effort to support a more stable and reliable Web.

Ching-Yi Liu, Professor of law at National Taiwan University and Principal Investigator of Taiwan's National E-Learning and Digital Archives Program, will explore issues related to network neutrality, technology policies related to digital libraries, and freedom of the press in the Internet age.

Maria Löblich, Assistant Professor at the Department of Communication Science and Media Research, Ludwig-Maximilians-University Munich, will work on civil society's involvement in net neutrality contentions and its intertwining with other political actors in the United States.

Xinlei Lu, a Ph.D. candidate in the School of Journalism at Fudan University, Shanghai will work on how cyber-technology has been employed to prevent HIV/AIDS in the gay community in China, and the political, commercial, and social factors implicated therein. Jun-Ru Lu, a public prosecutor of Taipei District Prosecutors Office in Taiwan, will develop his research on electronic case files and evidence in criminal procedure.

Silvio Meira, Professor of software engineering at the Center for Informatics at the Federal University of Pernambuco and Chief Scientist at the Recife Center for Advanced Studies and Systems, will work on innovation networks and habitats in developing economies and Brazil in particular and will have a go at The Emerging Web of Machines.

O'Seun Odewale, Personal Assistant and Adviser to Governor of Ekiti State, South West Nigeria will explore Open Society in the context of new technologies and the politics of control.

Jonathon Penney, a research fellow at the University of Toronto's Citizen Lab and a Ph.D. candidate at the Oxford Internet Institute, University of Oxford, will work primarily on his doctoral research concerning regulatory chilling effects online.

Alberto Pepe, a postdoctoral research fellow at the Center for Astrophysics of Harvard University and co-founder of Authorea, will research and promote Open Science and develop the next generation of tools for the collaborative authorship of research projects.

Molly Sauter, a S.M. candidate in Comparative Media Studies at the Massachusetts Institute of Technology, will be examining conflicts of anonymity and pseudonymity at the intersections of digital activism and "real life" activism.

Elisabeth Staksrud, a research fellow at the Department of Media and Communication at the University of Oslo, will work on her new book, critically exploring the relationship between NGOs and the Internet industry in the field of online protection of children.

Alexander H. Trechsel, Professor of political science at the European University Institute in Florence, will work on internet voting and, more generally, the transformation of representative democracy in the digital era.

Jessica Valenti, a feminist author and activist, will research and develop a plan for a national think tank grounded in digital feminism and its communities.

Heather Whitney, a J.D. candidate at Harvard Law School, will investigate how we can better leverage social platforms and the rise of citizen science and quantified self to improve health and health research.

John Palfrey will take on the role as a senior research fellow at Berkman while he also transitions to his position of Head of School of Phillips Academy, Andover. In addition, he will maintain his position as a member of the Berkman Center's Board of Directors and serve as a principal investigator on selected projects, including the Digital Public Library of America.

Fellows returning for 2012-2013 include: Matthew Battles, Dalida Maria Benfield, danah boyd, Ryan Budish, Herbert Burkert, Sandra Cortesi, Juan Carlos de Martin, Judith Donath, Mayo Fuster Morell, Oliver Goodenough, Eszter Hargittai, Jerome Hergueux, Benjamin Mako Hill, Catharina Maracke, Maura Marx, Claire McCarthy, Intisar Rabb, Justin Reich, Hal Roberts, Andy Sellars, Aaron Shaw, Peter Suber, Kevin Wallen, and Christopher Walsh.

Fellowship Advisory Board members, Wendy Seltzer, Jake Shapiro, David Weinberger, and Ethan Zuckerman, will continue their deep involvement in the Center's activities, fellows program, and growing network of affiliated researchers.

In addition to new and returning fellows and the Fellowship Advisory Board, the Berkman Center will also engage a group of **Faculty Associates** for the 2012-2013 academic year, including: Mike Ananny, David Ardia, Fernando Bermejo, Jim Bessen, Michael Best, Beth Coleman, Sasha Costanza-Chock, Dan Gillmor, Matt Hindman, Jeffrey Huang, Lewis Hyde, Reynol Junco, Beth Kolko, Karim Lakhani, Kevin Lewis, Harry Lewis, Wayne Marshall, Miriam Meckel, Carlos Osorio, Mica Pollock, Joseph Reagle, Nagla Rizk, Geanne Rosenberg, Christian Sandvig, Clay Shirky, Zeynep Tufekci, Eric Von Hippel, Dennis Yi Tenen, and Dorothy Zinberg.

Select 2012-2013 Courses Taught by Berkman Center Faculty and Staff

Fall 2012 Courses

- Communications and Internet Law and Policy, Yochai Benkler
- Cyberlaw Clinic, Phillip Malone, Chris Bavitz, Dalia Topelson, Chris Walsh
- Cyberspace in Court: Law of the Internet, Phillip Malone
- Digital Power, Digital Interpretation, Digital Making, Jonathan Zittrain, Martha Minnow, Peter Galison, Jeffrey Schnapp
- Evidence, Charles Nesson
- Information Law and Policy: Advanced Problem Solving Workshop, Susan Crawford
- Intellectual Property Law: Advanced, William Fisher
- International Investment Law, Mark Wu
- International Trade, Mark Wu
- Library Test Kitchen, Jeffrey Schnapp, Jeff Goldenson, Ann Whiteside
- Practical Lawyering in Cyberspace, Phillip Malone, Chris Bavitz
- Solving Problems Using Technology, Susan Crawford
- Trademark, William Fisher

Winter 2013 Courses

- Cyberlaw Clinic, Phillip Malone, Chris Bavitz, Dalia Topelson, Chris Walsh

Spring 2013 Courses

- American Jury, Charles Nesson
- Antitrust, Technology and Innovation, Phillip Malone
- Copyright, William Fisher
- Cybercrime, Phillip Malone
- Cyberlaw Clinic, Phillip Malone, Chris Bavitz, Dalia Topelson, Chris Walsh
- Evidence, Charles Nesson
- Government Lawyer: United States Attorney Clinic, Phillip Malone
- Law and the International Economy, Mark Wu
- Music and Digital Media, Chris Bavitz
- Online Law and Business in a Globalized Economy, Urs Gasser
- Torts, Jonathan Zittrain