

**NEW YORK  
LAW SCHOOL**

**OPEN VIDEO CONFERENCE**

**THE**

**2011**

**SEPTEMBER  
10-12**



**THE  
OPEN VIDEO  
ALLIANCE**

**This is an event about technology.** But it's also about how technology affects the world around us. The Open Video Conference convenes people from all over the web video space. Some attendees are developing essential technologies for video; others are ensuring universal access to high-speed broadband; still others are using video for social change. All are actively building the future of the medium.

It may seem strange to house such a diversity of perspectives under one roof. But open video is just as important for technology companies and entrepreneurs as it is for creators, educators, and human rights activists on the front lines of change.

Since 2009, the participants of the Open Video Conference have been threading a needle through a fairly big story. The first OVC took place at the precise time that images of Iranian election protests were reaching Western eyes through email, blogs, and platforms like YouTube. Today, cameraphone images from Tunisia, Egypt, Libya, and elsewhere appear on screens around the world.

We're still weaving this story. In just three short years, we've seen big shifts in network policy, broad transformations in public life, and constant changes in technology. The media is more read/writeable than ever before, but we're far from the full potential of web video: a day when every person on the planet can express their world through moving images. Video will be most powerful as a medium when it's as copy-pastable, accessible, and ubiquitous as text.

There's much work to be done here on technological, legal, and practical fronts. A careful observer will find urgency even in quiet places like libraries—consider that in 2011, the Library of Congress still relies on RealVideo as its primary video technology (if this makes you shake your head, this is definitely the event for you).

This year's event is designed to be more hands-on than years past. You'll find few talks and panels. Instead, you'll be meeting people, making things, and laying plans. There are over 30 working groups scheduled for you to explore and participate. And if you're inspired at any time this weekend, you'll find plenty of time and open space to start something big.

As you're hacking, writing, filming, or meeting future collaborators this weekend, consider some of the emerging issues in web video. How will we retain control and sovereignty over our digital lives, when the devices we carry are increasingly restrictive of the apps and services we can access? How will we protect identity in a world of thorough surveillance and networked facial recognition? What are the new power dynamics in a world where anyone can make and share video?

These are just a few of the threads you'll find in this expansive story.. We hope that your experience at this year's OVC will be productive, thought-provoking, and fun.

-Ben Moskowitz (Mozilla) & Chris Wong (New York Law School)

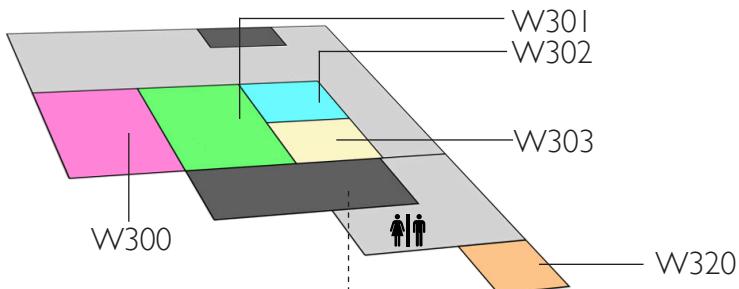
## TWEET

The conference hash tag is **#ovc11**. Use it for Twitter, microblogging, Flickr—everywhere you can. To let us know what you're thinking, or to direct questions to presenters, **@openvideo**.

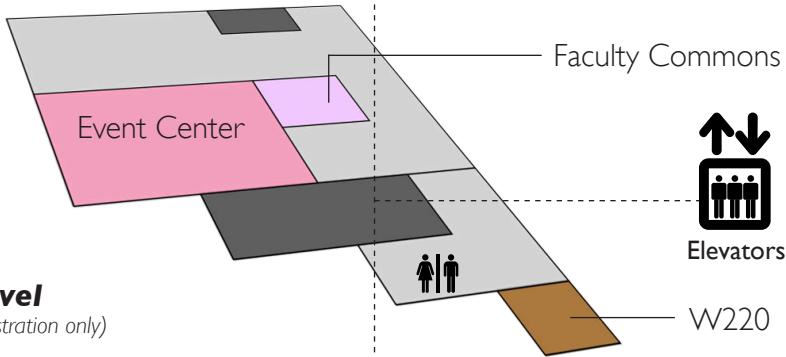


## MAP

### 3rd Floor



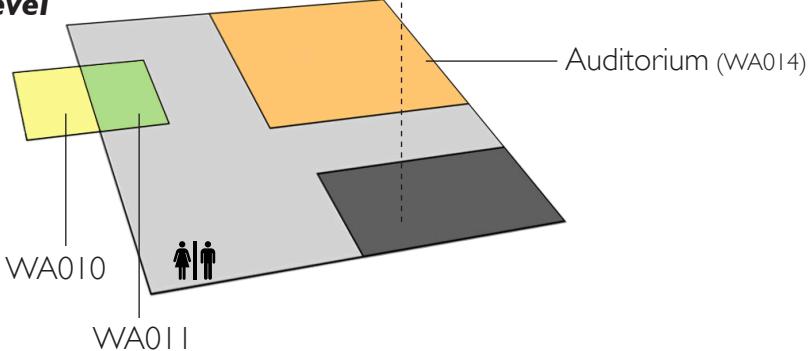
### 2nd Floor



### Ground Level

(not shown—registration only)

### Lower Level



Elevators

# SATURDAY, SEPTEMBER 10

|             | W220                            | W320                                   | WA010  | WA300                                  | W302                                  | Faculty Commons   | W303                             |
|-------------|---------------------------------|--|--|--|---------------------------------------|---|----------------------------------|
| 8:00—9:30   |                                 |  |  |  |                                       |   |                                  |
| 9:30—10:00  |                                 |  |  |  |                                       |   |                                  |
| 10:00—10:30 |                                 |  |  |  |                                       |   |                                  |
| 10:30—12:00 | Alternative Copyright Education | Making a Remix Maker                   | Designing Storyworlds                          | Visual Privacy? Visual Anonymity?      | Open Media Developers plenary         | Using Open Source In Commercial Context                       |                                  |
| 12:00—1:30  |                                 |  |  | Validating and Verifying Citizen Video | The Many Faces of Open                | WebRTC and HTML5  | Roll Your Own Video CMS          |
| 1:30—2:15   |                                 |  |  |  | Catered lunch                         |   |                                  |
| 2:30—4:00   | Defensive Patent License        | New Currencies and Compensation Models | Technologies for Anonymization: SecureSmartCam | Connected Documentary                  | Video Archives: Life After Production | Fun with WebGL, the Audio API, and more                       | The Missing Link: Flash to HTML5 |
| 4:00—5:30   |                                 |  |  |  |                                       | Standards for Video Accessibility                             | A/V Device Inputs                |
| 5:45—6:15   |                                 |  |  |  |                                       | A thought-provoking talk by Cindy Gallop: Make Love, Not Porn |                                  |
| 6:30—8:00   |                                 |  |  |  |                                       | Screening: Life in a Day (popcorn & drinks)                   |                                  |

# SUNDAY, SEPTEMBER 11

|             | W220   | W320   | WA010                                    | W300  | W302                               | Faculty Commons  |
|-------------|--|--|--|---|------------------------------------|--|
| 9:30—10:30  |  |  |  |   |                                    | Registration & Coffee  |
| 10:30—11:00 |  |  |  |   |                                    | <b>Keynote: Gigi Sohn, President &amp; Co-Founder, Public Knowledge</b>                        |
| 11:00—11:30 | Brewster Kahle and Tracey Jacquith present the 9/11 Archive at Archive.org |  |  |   |                                    |  |
| 11:30—1:00  | Intro to popcorn.js and pitch session                                      | Is the Web Safe for Expression?                        | Designing a Next-Generation TV interface | Making the Map: bandwidth, backbone peering, cloud & device | Scalable HTML5 players skill share | Standards for HTTP adaptive streaming  |
| 1:00—2:00   |  |  |  | Catered lunch   |                                    |  |
| 2:00—3:30   | Popcorn.js plugin sprint   | Robolawyers for the Open Web: DMCA automation and more | Mobile Content Neutrality                | Making the Map: logical, software & standards               | Database Driven Narratives         | Standards for Browser Video Playback Metrics   |
| 3:30—5:00   |  | The Rebecca Black Story                                |  | Making the Map: content & distribution layer                | Oral History Best Practices        | Open Video Editors   |
| 5:00—5:30   |  |  |  |   |                                    | <b>Keynote: Marvin Ammori, Legal Fellow, New America Foundation Open Technology Initiative</b> |
| 5:30—7:30   |  |  |  |   |                                    | Showcase and beer — share your work from the weekend and relax                                 |

# MONDAY, SEPTEMBER 12

## OPEN MEDIA **DEVELOPERS**

This year's OVC includes an Open Media Developers conference track, convening a group of coders, engineers, and standards advocates working toward a more open video ecosystem.



If not for FFmpeg, VLC, Xiph, Blender, GStreamer and similar projects, publishing audio and video would be much more expensive, restrictive, and difficult. Developers of these and other open source projects are building the foundations for our essential communications infrastructure.

Combine these foundational open video technologies with the recent developments in HTML5 & WebM, and video is poised to become a “first-class citizen” of the web. Browsers are within striking distance of offering limitless publication and distribution possibilities for audio and video content—a revolution of enormous scale, if you consider what’s been made possible by ordinary web pages with text and images.

OVC is about building a future in which anyone can make and share video—and we are fortunate this year to convene the Open Media Developers working group for the architects of this future.



## MAKE STUFF

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You'll notice that we've changed the formula a bit. Everything is structured around productive working groups building tangible outputs. There will be no passive watchers here, just active participants.

To help you be as productive as you can be, we're holding OVC at one of the most technologically advanced law schools in the city, if not the country.

We paid close attention to being able to provide you with the most constructive environment possible. Every room is equipped with projectors and white boards to help you throw your ideas up on the wall and work collaboratively, and we'll have a plentiful supply of stickies, markers, and other creative necessities. Most importantly, you'll have access to stable, site-wide WiFi. All of this means that there's no excuse for being uninvolved. Be bold, broadcast yourself, and find your tribe.

## OPEN SPACE

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Want to hack on a project, or meet with a future collaborator? Want to present your work in an ad-hoc session? Or just hang out and watch funny cat videos?

Visit **[openvideoconference.org/openspace](http://openvideoconference.org/openspace)** to reserve an open space. You can hold your own sessions or begin working on your own projects.

Tweet **#ovci1** to let people know what you're up to.

## SHOWCASE

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When all is said and done, sign up to share your work during our Sunday post-conference showcase. We'll supply the beer, you supply the entertainment.



# EVENT CENTER

Hang out and hack in the event center. There's lots going on.

## REMIX CURATION

Ongoing—online and on-site

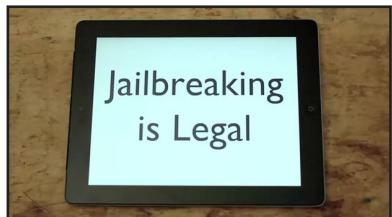
Working with the community of remixers, vidders, and other transformative artists, curator Elisa Kreisinger has created a selection of best-in-class works. To learn more and to watch, visit [openvideoconference.org/remix](http://openvideoconference.org/remix), or sit down at one of the screening stations in the space.



## JAILBREAK STATION

Ongoing

Got an iPod, iPhone, or iPad and an itch to hack? There's a ton of cool stuff you can do with your Apple gadgets, if you take the bold step of jailbreaking your device. Jailbreaking is 100% legal, thanks to the hard work of the Electronic Frontier Foundation. So bring us your Apple device and we'll unlock it.



## 9.11 NEWS ARCHIVE

Ongoing

The 9/11 Television News Archive is a project created by the Internet Archive. It is a full archive of one week's breaking news as it aired on all the major networks following the 9/11 attacks. The archive will be accessible through a visual touchscreen interface in the event center.



We have a Kinect in the event center. Come hack and play with it.

## LIFE IN A DAY

September 10th, 6:30

Auditorium

“Life in a Day” is the first major release completely driven by crowdsourced footage. To assemble the film, Academy Award-winning director Kevin MacDonald joined with executive producer Ridley Scott and a massive list of co-directors – all from a pool of international YouTube users that supplied over 4,500 hours of footage.



The documentary, which arose in part as a celebration of YouTube’s fifth anniversary, asked users to capture July 24, 2010, through the lens of three questions: “What do you love? What do you fear? What’s in your pocket?” Submissions ranged from user uploads to snail-mailed video cards, the latter returning from 400 cameras mailed out to filmmakers in the developing world.

With over 80,000 submissions, the film required an unusual editing process as well. Editor Joe Walker and MacDonald assembled a multi-lingual team of screeners who took months to organize and rate the submitted content. MacDonald sat down with 300 hours of selected footage – still far more raw video than the average feature film – to begin structuring a narrative for the 90-minute finished product.

While “Life in a Day” saw a traditional summer 2011 theatrical release, YouTube live streamed the Sundance Film Festival premiere, which 26 of the contributing filmmakers attended. The premiere was later rebroadcast on YouTube for international timezones and subtitled in 25 languages.

*Popcorn and refreshments served.*



## Keynote: Jillian York • Saturday, 9:30am



Jillian is the Director of International Freedom of Expression at the Electronic Frontier Foundation and a highly regarded human rights activist. Prior to joining EFF, Jillian was the Project Coordinator for the OpenNet Initiative at Harvard's Berkman Center for Internet & Society. There, she worked with volunteers and contractors around the world to carry out ONI testing for Internet filtering, blogged for ONI, conducted research, and coordinated DDoS and Circumvention research.

Jillian has also worked on the Herdict Web project, coordinating translation, blogging, and maintaining Herdict's social media presence. She is involved with Global Voices Advocacy as well as Global Voices Online, where she sits on the Board of Directors and serves as an author on the Middle East/North Africa team. She is a member of the Committee to Protect Bloggers, the co-founder of Talk Morocco, and has written for publications like The Guardian, Index on Censorship, BITCH magazine, SHIFTMag, Huffington Post, and Al Jazeera English.

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## Talk: Jonathan McIntosh • Saturday, 10:00am

Jonathan is a pop culture hacker, video remix artist, new media teacher, and fair use activist. His remix video work transforms fragments of mass media pop culture to tell alternative political, social, and cultural stories. His remix videos Buffy vs Edward and Donald Duck meets Glenn Beck have received international attention. Buffy vs Edward was nominated for a 2010 Webby Award in the Best Remix/Mashup category. Jonathan is a member of the Open Video Alliance and the Organization for Transformative Works. He blogs about remix at PoliticalRemixVideo.com



## SATURDAY TALKS

### Keynote: Cindy Gallop • Saturday, 5:45pm

Cindy began her early career in the UK as a theater publicist, until an audience member declared that she could "sell ice to an Eskimo," and advised her to make the jump to advertising. Four years later, she joined one of the fastest growing agencies in Europe, Bartle Bogle Hegarty. In 1998, she moved to New York, alone, and began building their US branch. Four years after that move, BBH US was named Adweek's Eastern Agency of the Year. After all her success in the agency world, Gallop resigned as chairman of BBH in 2005 to do something different. Today, she continues to work in branding and advertising as a consultant, but is also tending some fascinating projects of her own.



Cindy delivered one of the most talked about TEDTalks in history at TED 2009. Speaking very frankly, and from direct experience, she argued that hardcore pornography has distorted the way a generation of young men think about sex. At TED 2009, Cindy shared with attendees her plan to fight back, with the launch of a website to educate people about the nuances in human sexuality. At OVC, she'll start to share the next part of her project: MakeLoveNotPorn.tv, which launches in early 2012.

Cindy is not anti-porn, or about judging what's good or what is bad. Her project is intended to stimulate open, healthy conversations about sex and pornography. This talk will be frank. This talk will be honest. It will be graphic. But we think Cindy speaks to a hugely under-recognized issue, and does so in a funny and thought-provoking way.

#### PLEASE NOTE:

This talk will contain explicit sexual discussion. This may be offensive, triggering, or uninteresting to attendees. As such, attendees are welcome to leave at any point and for any reason. Please keep this discussion inside the auditorium, and refrain from discussing the content of this talk with other attendees outside of the session unless you have obtained explicit permission from them. We all have different levels of comfort around these topics and OVC works hard to maintain a safe environment for all attendees. OVC has a strict policy against harassment of any kind. Visit <http://openvideoconference.org/harassment> to learn more.

## Keynote: Gigi Sohn • Sunday, 10:30am



Gigi is the president and co-founder of Public Knowledge, a nonprofit organization that works to defend citizens' rights in emerging digital frontiers.

As president, she serves as the chief strategist, fundraiser, and public face of Public Knowledge, making numerous media appearances on television and radio shows

such as the Today Show, The McNeil-Lehrer Report, and NPR's All Things Considered. She has been published in the Washington Post, Variety, CNET, and Legal Times.

Gigi has long been recognized as a pioneer in identifying key issues facing digital media. Prior to co-founding Public Knowledge, she served as Executive Director of the Media Access Project, and as a Project Specialist in the Ford Foundation's Media, Arts and Culture unit, where she developed the Foundation's first-ever media policy and technology portfolio. In 1997, President Clinton appointed Gigi to serve as a member of his Advisory Committee on the Public Interest Obligations of Digital Television Broadcasters. In 2006, the Electronic Frontier Foundation gave Gigi its Internet "Pioneer" Award.

Gigi currently serves on the board of the Telecommunications Policy Research Conference and Broadcasters' Child Development Center; is a member of the advisory boards of the Future of Music Coalition and the Center for Public Integrity's "Well Connected" Telecommunications Project, and is a Senior Adjunct Fellow at the University of Colorado Silicon Flatirons Center for Law, Technology, and Entrepreneurship.



## Brewster Kahle & Tracey Jaquith • Sunday, 11:00am



The 9/11 Television News Archive is part of the Internet Archive's effort to preserve and digitize 300 hours of television news video from the week of the 9/11 attacks. Brewster Kahle and Tracey Jaquith will discuss how the 9/11 News Archive addresses these important issues in video archiving, as well as detailing the technology used and the challenges faced in digitizing the archive.

Brewster Kahle is founder of the Internet Archive and the Open Content Alliance, and was a member of the Thinking Machines team, where he developed the WAIS system, a precursor to the World Wide Web. He is a Fellow of the American Academy of Arts and Sciences, a member of the National Academy of Engineering, and serves on the boards of the the Electronic Frontier Foundation, Public Knowledge, the European Archive, and the Television Archive. He is also a member of the advisory board of the National Digital Information Infrastructure and Preservation Program of the Library of Congress, and is a member of the National Science Foundation Advisory Committee for Cyberinfrastructure.

Brewster will be joined by Tracy Jaquith, a senior engineer at the Internet Archive. Tracey was a founding coder and the system architect for the Internet Archive, writing multi-threaded servers and crawlers, as well as parallel processing code.

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## Keynote: Marvin Ammori Sunday, 5:00pm

Marvin is a Legal Fellow at the New America Foundation's Open Technology Initiative and a Visiting Scholar at the Stanford Law School Center for Internet and Society. He is an internationally recognized lawyer and expert in the areas of Internet law, media law, freedom of speech, and cybersecurity law.

Before joining OTI, Marvin taught cyberlaw and international and domestic telecommunications at the University of Nebraska College of Law, where he helped found the space and telecommunications law program with the support of U.S. Strategic Command. He has also acted as counsel on some of the most important cases involving the future of the Internet. As Free Press's first lawyer in Washington, DC., he was the lead lawyer before the FCC on the Free Press-Comcast net neutrality case, which has been called a "model of the free-speech battles of the future" and which shaped several years of telecom lobbying in Washington, DC.

## WORKING GROUPS .....

### ***Using Open Source Video Software in a Commercial Context***

Saturday, 10:30am — 12:00pm • W303

**Session Type:** Discussion

**Session Category:** Technical, business

**Session Leader:** Jon Dahl, Zencoder

#### **Description**

The best software for working with video is open source. Companies everywhere, large and small, are building on open source software like ffmpeg and x264. But too many companies make mistakes when dealing with open source software, like violating software licenses or misunderstanding how open source projects and communities work. So how can businesses and open source video projects not just coexist, but help each other flourish?

#### **Outcome**

An understanding and appreciation of using FOSS building blocks in a commercial video context

## WORKING GROUPS .....

### ***Open Media Software Developers Plenary***

Saturday, 10:30am — 12:00pm • Faculty Commons

**Session Type:** Working group

**Session Category:** Open Media Developers

**Session Leader:** Silvia Pfeiffer (Google)

#### **Description**

This is the introductory plenary of the Open Media Developers track. We will welcome all open media software developers that are present and determine what their expectations are for take-aways from the conference.

This session will be held on the first day and will be fairly short to allow us to move on into the more specialized technical sessions.

#### **Outcome**

This session will introduce the software projects that are represented at OVC and gather expectations of the attendees.

In particular we will determine if the topics that are covered in the sessions of this track are sufficient or if it makes sense to add more sessions on particular topics of interest to participants.

## WORKING GROUPS .....

### **Designing Storyworlds**

Saturday, 10:30am — 1:30pm • WA10

**Session Type:** Hacking / **Session Category:** Creative

**Session Leaders:** Lance Weiler & Janine Saunders (Workbook Project)

**Description:** This is an amazing time to be a storyteller. But in many ways, traditional forms of film, TV, and games are stuck in the 20th century. The great works of the 21st century will be driven by creative uses of technology. As authorship changes and audiences become their own media companies, a new language is emerging that enables characters, stories and locations to travel beyond a single screen and reach into the real world. At the same time storytelling is well-positioned to help drive the next generation of social applications bringing with it new opportunities to entertain, provoke and inspire.

Join us for an open-ended story R&D workshop that mixes design thinking, storytelling, game design and hacking to bring a number of exciting projects to life in the room.



Three award-winning filmmakers with rich histories in interactive storytelling and design will open up their projects in an effort to experiment and push the boundaries of participatory storytelling. Three unique storyworlds, plus 1 UFO paranormal cult, plus 1 NYC down-and-out thriller, plus 1 time capsule driven narrative = 3 hours of story hacking fun. Projects:

**Conspicuous**— A suburban mom discovers her husband is having an affair. In the aftermath, she becomes a private detective. Think Weeds meets artist Sophie Calle.

**The Lost Children**—An ongoing intergalactic war between the cult of The Lost Children and their arch-enemies, The Shadowmen. Stories and themes will include the real science of asteroids and comets, the

## WORKING GROUPS.....

paranormal, UFOs, cult psychology, family and faith.

**Wish for the Future**— A participatory storytelling project with a 100 year life cycle. A collective narrative that is built on "wishes," turning them from a blurry future into something that is tangible.

**Outcomes:** Experimentation, discussion, and prototype of new storytelling techniques.

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### *The Many Faces of Open*

Saturday, 12:00am — 1:30pm • W302

**Session Type:** Discussion / **Session Category:** Policy, Technical

**Session Leader:** James Grimmelman (NYLS)

**Description:** "Open" has many meanings for video. At the legal level, it can refer to the different licenses under which video content is available to be reused and remixed. At the production level, it can refer to making available the raw footage and component elements that go into a finished piece of video, so that others can reassemble the parts in different ways. At the tools level, it can refer to open-source video capture and editing software, so that anyone who wants to make video can. At the distribution level, it can refer to freely available platforms and community-run sites that provide the channels for anyone's video to flow. At the encoding level, it can refer to nonproprietary video standards that leave. At the device level, it can refer to the absence of DRM, to user-modifiable firmware, and to inexpensive DIY kits. All of these flavors of "open" -- and more -- are important in an open video ecosystem.

This session will bring together video hackers from all layers of the stack, from hardware to software to legal to political, for an open-ended discussion on how these different meanings of "open" relate to each other. We will ask how openness in one form can support openness in others, how community moderators and system designers should think about openness in the large, and about tradeoffs and interactions among different forms of openness. The group will work towards populating the a wiki page with a Taxonomy of Open: a quick guide to help new community members learn about the many faces of "open."

## **WORKING GROUPS .....**

### ***Creating an Alternative Copyright Education***

Saturday, 10:30am — 1:30pm • W220

#### **Session Leaders:**

Katie Baxter (NYLS Free Culture)

Pat Aufderheide (AU Center for Social Media)

Elisa Kreisinger (Pop Culture Pirate)

Karl Fogel (QuestionCopyright.Org)

Richard Esguerra (EFF)

#### **Description:**

Many IP-heavy industries, such as the entertainment industry, have undertaken efforts to “educate” creators and consumers about the consequences of using copyrighted works, but they only tell one side of the story. The “use at your own risk” narrative woven by supporters of strong copyright laws minimizes fair use and discourages remix, collage, and other critical engagements with video. With a new generation of creators and technologies driving the evolution of our cultural ecosystem, it is essential for them to understand the true extent of their rights.

What needs to be done? Helping creators and consumers realize the full scope of their legal protections requires educational efforts as determined and zealous as industry efforts that teach away from free culture. Educational projects like the Electronic Frontier Foundation’s Teaching Copyright curriculum, QuestionCopyright.Org’s Minute Memes, and the Center for Social Media’s Best Practices in Fair Use project have gone a long way towards introducing a more balanced perspective that challenges many accepted norms within the IP landscape. But, while these types of educational resources abound, there remains a significant gap between their existence and the ability of others to utilize them on a practical level.

#### **Outcome:**

The session will work towards developing an online educational portal for assisting creators and consumers. The website will house various resources (and links to resources), allow users to submit resources,

and, most importantly, will provide a place for users to ask each other questions, discuss various copyright issues, and comment and rate the resources. The website will become an ongoing project of the NYLS chapter of Students for Free Culture.

### **Agenda:**

We'll begin by introducing the state of copyright education and identifying what is missing from it and what needs to be done better. We'll also explore various understandings of what "copyright education" can mean, with regard to the current legal framework of copyright, as well as copyright's historical and philosophical positions.



Then, we'll spend some time searching the web (and our brains) to put together a comprehensive set of available resources, making sure that we aren't duplicating existing efforts. There exists a plethora of bad to downright evil copyright "education", as well as a significant amount of well intentioned yet equally misinformed "education. Our challenge will be to develop a framework for dealing with these conflicting viewpoints.

Finally, we'll work towards designing an intuitive GUI for the website.

## WORKING GROUPS .....

### **Visual Privacy? Visual Anonymity? Toward Principles of Visual Privacy**

Saturday, 10:30am — 12:00pm • W300

#### **Session Facilitators:**

Sam Gregory, Program Director, WITNESS  
Helen Nissenbaum, Professor, Media, Culture and Communications, New York University



#### **Key Participants:**

James Grimmelmann (New York Law School)  
Rich Jones, (Director, The Open Watch Project)  
Jillian C. York, (Director for International Freedom of Expression at the Electronic Frontier Foundation), Nathan Frietas (Guardian Project)

**Summary:** With cameras now so widespread, and image-sharing so routine, it is surprising how little public discussion there is about visual privacy and anonymity. Everyone is discussing and designing for privacy of personal data, but almost no-one is considering the right to control personal images in a socially-networked age or to be anonymous in a video-mediated world. To what extent should we facilitate this, and how can we do it better? Who has a right to visual anonymity or privacy, and who doesn't?

**Agenda:** Following a 360-degree perspective opening, the session will focus around focused discussions of five scenarios for visual privacy and visual anonymity, each led by one of the participants. In each scenario we will look at the visual privacy and anonymity challenges, pitfalls and potential solutions. Scenarios which will be discussed include a non-activist Facebook user in the USA, an LGBT-identified person in the Middle East, a human rights activist in the current protests in Syria, a citizen documenting police activities or misconduct, and citizens using social media to identify people alleged to have committed crimes (for example, as in the recent Vancouver and London riots). We will look for areas of overlap, of shared concern, and to the right mix of tools, legal, norms and market-based solutions to address them.

**Description:** Imagine a landscape where companies are able to

commercially harvest, identify and trade images of a person's face as easily as they share emails and phone numbers. While it is technically illegal in some jurisdictions (such as the EU) to hold databases of such images and data, it is highly likely that without proactive policymaking, legislative loopholes will be exploited where they exist. So far, policy discussions around visual privacy have largely centred on public concerns about surveillance cameras and individual liberties. And now, with automatic face-detection and recognition software being incorporated into consumer cameras, mobile apps and social media platforms, the potential for identification of activists and others - including victims, witnesses and survivors of human rights abuses - is growing.

Services increasingly store users' personal and other data in the digital cloud. Cloud data is processed and handled across multiple jurisdictions, creating potential inconsistencies and conflicts in how users and their data are protected. More worryingly, cloud storage renders data vulnerable to multiple attacks and data theft by any number of malicious hackers. Hostile governments, in particular, can use photo and video data – particularly that linked with social networking data – to identify, track and target activists within their countries.

In an increasingly video-mediated world, the right to visual anonymity – within an understanding of how the right to freedom of speech is often facilitated by the ability to be anonymous, has not yet been fully articulated or developed.

**Outcome:** This session will work towards a greater understanding of what we might mean by visual privacy and visual anonymity, and how this relates to other conceptions of privacy and anonymity. It will address the opportunities identified by commercial providers who are beginning to use facial recognition and identification within social network products, and create a dialogue around key issues. It will also consider what tools and technologies could be incorporated into core web and mobile functionality to enable both human rights activists and general users to exercise greater control over visual privacy and anonymity. This includes building "visual privacy" checks (including masking data encoded into images, such as location, time, type of camera, etc.) as well as standard privacy checks into product design, development and marketing workflows, drawing on risk scenarios outlined through human rights impact assessments.

## WORKING GROUPS

### **Making a Remix Maker**

Saturday, 10:30am — 1:30pm • W320

#### **Session leaders:**

Jonathan McIntosh, Rebellious Pixels

Martin Leduc, remixer

Boaz Sender, Bocoup

Zohar Babin, Kaltura

Rick Waldron, Bocoup

Francesca Coppa, OTW

Elisa Kreisinger, Pop Culture Pirate

#### **Summary:**

We're making the art of video remixing more accessible by building intuitive open source remixer tools.

#### **Session description:**

Making video remixes involves a lot of skills that have nothing to do with editing software. Great video remixes come from people with an eye for the unspoken conventions of movies and TV – people who can watch separate pieces of media and find connections between them that are not immediately obvious.

It would be great to open up video remixing to folks who have a lot of insight into the media but who don't necessarily have time to learn to use editing software. Jonathan McIntosh and Kaltura managed to do this at last's year OVC when they built the "Gendered Advertising Remixer Application" (GAR).

The GAR is a simple drag-and-drop tool that lets users dissect the gender stereotypes in toy ads by remixing those stereotypes for themselves. The GAR lets you swap the audio and video of ads directed at young girls with those directed at young boys (and vice versa). The resulting remixes are consistently hilarious, and they always unveil the disturbingly consistent gender stereotypes that advertisers aim at children.

We want to make more tools like this one. We want these tools to be open source, and we want to make them with HTML5 and the <video> tag—enabling more experimentation with cloud-based remixing tools.

# WORKING GROUPS

**Gendered Advertising Remixer** Beta 1

**Girl Ads**

4 Ever Kidz (00:15) Baby Alive (00:15)

Barbie Glitter (00:15) Barbie Island Print...

Betty Spaghetti (0....) Girl Gourmet (00:15)

Charm Girls Club (... Fur Real Friends Fr...

**Boy Ads**

Battleground (00:15) New Battleship (00:15)

The Eye of Judgme... G.I.Joe Headquarte...

Electronic Battleshi... Iron Man Toys (00:15)

Kung Zhu Battle (0... Lego Castle (00:15)

About (Click for the blog post)  
To make a remix drag one clip from each column into the audio and video boxes in the middle on the screen.  
Clips on the left are ads directed at girls while clips on the right are ads directed at boys.  
Click the X buttons to remove clips from the remix.

Kaltura

While the value of easy-to-use tools may be obvious, we will also be discussing the potential problems: the commodification of remix and the loss of many of the hacking and coding skills that have been previously fundamental to remix culture.

This session brings together video remix artists, media critics, designers, coders, and other technologists with the aim of building some great new video remixing applications.

One objective of this session is to build an HTML5 sequencer, enabling developers to build things like GAR using only open web technologies. Another is to explore how fan archiving and other infrastructure can foster a new generation of remixers.

We're also building some entirely new applications; ones that aim to maximize creativity and minimize barriers to participation. These kinds of projects are super fun to get involved in, so we hope to get lots of creative people to participate. Let's bring people one click away from remixing the media for themselves!

## Expected outcomes:

Develop tools that make remix easy for everyone.

## WORKING GROUPS .....

### **WebRTC: Realtime Communications and HTML5**

Saturday, 12:00pm — 1:30pm • Faculty Commons

**Session Type:** Working group

**Session Category:** Open Media Developers

**Session Leader:** TimTerriberry (Mozilla), Serge Lachapelle (Google)

**Description:** HTML5 <audio> and <video> have become first-class citizens of the web, but they are designed for pre-recorded content or relatively high-latency streaming from server to client. Real-time, low-latency communication directly between peers enables a whole host of new applications, but is currently only available in custom applications or via sparsely deployed plugins, using incompatible signaling and protocols.

Last year the WebRTC project began as a joint effort between the W3C and the IETF to standardize the APIs and protocols for real-time communications in browsers. Compared to the traditional <video> tag, there are a lot of moving parts: cross-platform camera and microphone access, signal processing to improve audio quality, encoders in the browser; with severe latency constraints, firewall penetration, codec and media negotiation, unreliable transports like RTP, possibly multiplexed with a generic peer to peer data channel, with encryption and a whole host of security considerations, and a huge collection of legacy equipment to interoperate with.



In this session, we will discuss the current progress of both standardization and implementation efforts, and we will look for solutions in areas that currently lack consensus. This could include the APIs that are under design, the back-end architectures that these imply, and the underlying protocols that are needed to connect them, and the codec technology that makes them work. Of particular interest is feedback from non-browser vendors who will want to interact with this system, and from developers who want to build innovative new things with it. It is not too late to influence use cases and requirements.

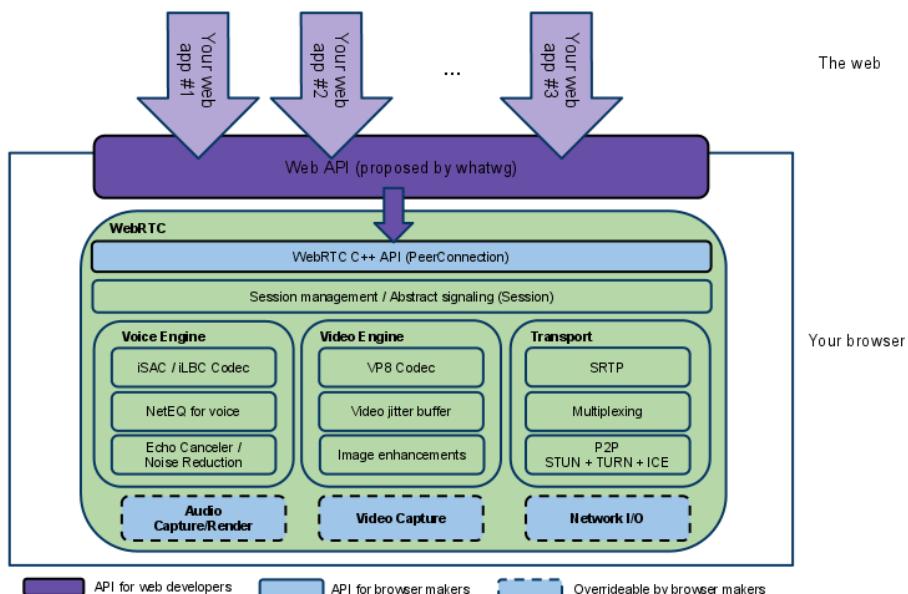
## Outcomes:

This session will communicate the current technical proposals and make progress in defining the standards for real-time communication on the web.

One possible outcome could be the proposal of new APIs for managing devices, error reporting, negotiation, etc., as input for the W3C working group.

Another possible outcome could be a list of new use cases for applications that go beyond “video chat in a browser.”

Other recommendations for the protocol pieces or scoping of codec or other work could result from this session.



## WORKING GROUPS

### ***Roll Your Own Video CMS***

Saturday, 12:00pm — 1:30pm • W303

**Session Type:** Hacking

**Session Category:** Technical

**Key Participants:** Steve Heffernan and Jon Dahl (Zencoder)

#### **Description**

Ever wanted to get YouTube-like functionality on your site? There's a huge range of options, from self-hosted to SaaS, that cover the op-to-bottom of managing video.

In this session, we'll take a look at the following:

- An overview of the video stack (app, hosting, encoding, uploader, video player)
- An overview of open source and paid solutions for each step
- Questions of participants around challenges of building a video CMS.
- Open questions and discussion.

#### **Outcome**

Greater understanding of the range of available options, opportunities and challenges in rolling your own video CMS.

## WORKING GROUPS

### **Fun with WebGL, the Audio API, and more**

Saturday, 2:30pm — 4:00pm • Faculty Commons

**Session Type:** Hacking

**Session Category:** Technical, Creative

**Key Participants:** Robert Richter (Mozilla), Brian Chirls (Three Eyed Labs), Mr. Doob (Google Creative Lab), Corban Brook (Mozilla #audio API team), Charles "CJ" Cliffe (CubicVR.js)

#### **Description**

Modern web browsers can make some amazing audiovisual candy, through new capabilities like HTML5, fast Javascript, and WebGL.

All these capabilities point to untapped creative possibilities—though we're starting to see some really cool web-native cinema, like Google Creative Lab's *Three Dreams of Black* and NFB's *I Millionth Tower*; and in a burgeoning WebGL gaming community.

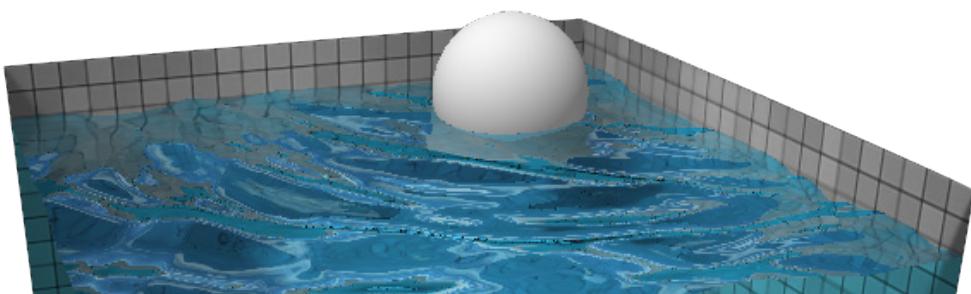


In this session, members of the web demoscene and creative communities will take turns showcasing their cool hacks and proofs-of-concept. Stuff like 3D and physics, beat detection, video processing, chromakey and lumakey, and more.

Free form discussion, and possibly hacking, will follow.

#### **Outcome**

Creative technologists at OVC will get to know each other, and hopefully plot future collaborations. Other participants will be wowed by what you can do in a web browser these days.



## WORKING GROUPS .....

### ***Validating and Verifying Citizen Video: Combating the Digital Fake***

Saturday, 12:00pm — 1:30pm • W300

**Session Facilitators:** Sam Gregory, Program Director, WITNESS

**Participants:** Heather Ford (Ethnographer, Ushahidi); Sarah Knuckey (Director, Project on Extrajudicial Executions, New York University); Bradley Samuels (Partner, Situ Studio); Harlo Thomas (The Guardian Project); David Clinch (Editorial Director, Storyful)

**Summary:** How do we better authenticate and verify citizen video?

With more video material coming directly from a wider range of sources, often live and or nearly in real-time, and often without context, it is increasingly urgent to find ways to rapidly verify or trust such information. This session explores how existing approaches to fact-checking and authentication from news journalism as well as legal issues around evidence and chain-of-custody, and new crowd-sourced approaches can be incorporated—from a technology, practices and standards point-of-view—into the process of creating, collecting, and distributing digital media, especially video.

**Agenda:** Each participant will present a concrete case example of where they have validated and verified citizen video or similar social media sources. Our perspectives range across a range of approaches from forensic and legal to crowd-sourced efforts and new tools-based approaches. Among the case studies we will use as a starting point: the review of perpetrator-shot footage of extrajudicial killings in Sri Lanka, crowd-sourced data verification using Ushahidi, the use of multiple video sources and spatial mapping to understand an incident in the Occupied Territories, data verification in the real-time environment of the Arab Spring, and the potential of open-source tools like the SecureSmartCam to generate stronger authenticable data when filming.

**Description:** Major journalism organisations like the BBC and Al-Jazeera as well as new commercial and social-purpose enterprises like Storyful and Crowdvoice are learning as they go along, and are sharing emerging practices in how to sift, verify and curate social media content about human rights and humanitarian crises and to guard against falsified information. In the human rights and legal realm there is an increasing discussion of how existing concepts of chain of custody, of

evidentiary value, of reliable documentation and source-confirmation can be adapted or incorporated for a citizen and social-media driven environment; as well as about how to guard against digital manipulation of images and video.

For example, when we consider the digital video files shot with hand-held cameras and mobile phones—documenting uprisings, protests, and human rights abuse from the Middle East and around the world—these file formats have inherent metadata that can help identify where and when a video was shot. However, this information can be easily manipulated or faked and does not follow the video when it is shared and made available for others to reuse on popular video platforms.

Alongside more manual, forensic techniques of verification, more technology- driven initiatives are underway to provide technical verification and digital chain-of-custody of footage, to help underpin the use of video in evidentiary, legal, media and archival contexts. However, significant questions remain over how to vouch for authenticity, protect safety, and communicate the original intention of human rights footage. As live video streaming from mobile devices grows in prevalence, new questions will also arise – for example, how to reconcile expectations of total transparency and immediacy with the frequent need to edit footage to protect people's safety or the need to fact-check a live source.

How can verification be incorporated in the media creation and collection process, and in open video on the web? Can video files carry better authenticable data? How can the process of verification be shared among networks of users or social media network participants?

**Outcomes:** This group of journalists, technologists, and human rights activists will discuss and prototype various approaches to verifying citizen video that are relevant to both news content as well as more niche content such as human rights material — looking at cryptographic solutions, digital analysis crowd-verification solutions, as well as multi-step authentication solutions based and building on existing journalistic and legal practice, and more. We hope to share ideas between different disciplines that are drawing on the power of citizen video, and lay the groundwork for enhanced approaches and collaborations moving forward.

## WORKING GROUPS .....

### ***The Connected Documentary***

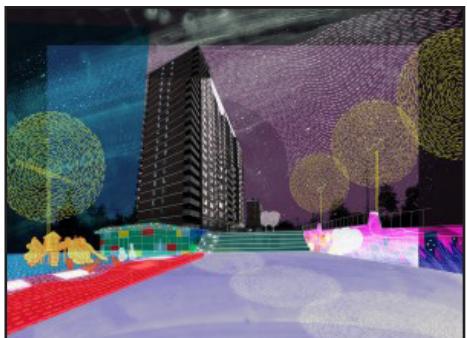
Saturday, 2:30pm — 5:30pm • W300

**Session leaders:** Ingrid Kopp (TFI New Media fund), Ben Moskowitz (Mozilla).

**Session summary:** Collaborative brainstorm and planning for four web-native documentary film projects.

**Session description:** The web opens up massive potential for completely new kinds of storytelling: documentaries that constantly update with breaking information, stories built and shaped by users, and interactive films that let viewers chart their own path. Emerging technologies like HTML5 and WebGL liberate film from the constraints of runtime—and there are storytelling opportunities that have yet to be explored or even imagined.

Imagine how the web could supercharge documentary filmmaking, for instance. B-Roll that was once discarded can now find a useful half-life on the web. Virtual spaces can be created and explored on the web, leading to new understandings. Data can enrich a story and help untold stories emerge. Viewers can contribute time, money, and attention to help expand documentary projects. Subjects can be represented in more intimate ways than ever before.



This working group will survey some of the possibilities in web-native documentary. Four projects will serve as case studies, and the participants will help the projects with practical advice to help get them off the ground.

**Expected outcomes:** Progress on four projects, increased understanding, the formation of a brain trust to explore new possibilities.

## PARTICIPATING PROJECTS

### ***30 Mosques***

The 30 Mosques project began as a blog and documentary film about the journey of two American Muslim twentysomethings road tripping across America, visiting a different mosque in a different state, every day for a month. The new interactive element integrates film and blog to create a user-navigated road trip experience.

### ***The Tillman Story***

Through a participatory experience of one the most controversial stories of recent years — the friendly fire killing of football player turned Army Ranger Pat Tillman in Afghanistan in 2004 — The Tillman Story Interactive Edition will allow viewers to take part in the investigation, access unseen material, explore the facts surrounding the events, understand its intellectual underpinnings and connect with others doing the same.

### ***Through a Lens Darkly***

Through A Lens Darkly: Black Photographers and the Emergence of a People is a two-hour film that will explore the role of photography, since its rudimentary beginnings in the 1840s, in shaping the identity, aspirations, and social emergence of African Americans from slavery to the present.

### ***Looking for Los Sures***

Los Sures, a 1984 film by Diego Echeverria, captures what had been called "the worst ghetto in America." With Looking at Los Sures, UnionDocs revisits this lost film, makes it accessible online for the first time, and creates a constellation of companion documentaries and interactive projects that annotate, challenge, update and spiral off from the original.

## WORKING GROUPS .....

### *New Currencies and Compensation Models*

Saturday, 2:30pm — 5:30pm • W320

**Session participants:** Holmes Wilson (PCF); Per Thulin (Flattr); Charlie Shrem (BitInstant); Dan Liss (NYU ITP)

**Session summary:** In recent months, there has been huge progress in infrastructure for micropayments. With Bitcoin bursting in on the scene, and Flattr gaining momentum in micro-donations, it is easier than ever before to imagine a button in your browser that donates \$1 to a YouTube video, attaches money to an e-mail, or gives \$0.01 to every piece of journalism you read.



Amateur and indie video producers, in particular, need this. Without successful revenue models compatible with open-licensing and decentralized distribution, creators will feel pressure to reject the open video approach for financial reasons. The open video community has an opportunity to contribute some key infrastructure here.

We can create a world where someone with millions of views on YouTube gets thousands in donations, regardless of what country they're from, even if they don't have a bank account. We can save the American newspaper. We can make it way easier to pay a friend for dinner. Sky's the limit. The goal for this session is to survey new opportunities like these, decide on the best first steps and (coming out of the session) take them.

**Expected outcomes:** A proposal and blueprint for a micropayments web service, or other method for compensating web creators.

## WORKING GROUPS .....

### **Video Archives: Life After Production**

Saturday, 2:30pm — 5:30pm • W302

**Session Type:** Working Group / **Session Category:** Technology

**Session Leaders:** Peter Pinch (WGBH Interactive and Open Vault); Nan Rubin (Community Media Services, Preserving Digital Public Television)

**Key Participants:** Nicole Martin (Archivist, Human Rights Watch, Formerly at Democracy Now!); Chris Lacinak (AV Preservation Solutions); Mark Boas (Happyworm Inc).

**Description:** Now that you are a successful producer, your work is starting to pile up. How do you organize it so you can manage the growing number of files? If you want to share any of your brilliant materials on-line, how do you present it so people can find it? What options can help you serve it up so people can use it? And once they are using it, how do you get their feedback to make your content even more findable and usable?

This session will outline how to extend the life-cycle of your programs and help you understand how to make them 'discoverable,' findable, and increasingly usable over time. Particular focus on -

- Cataloging and metadata (PBCore and other schema);
- Case studies;
- Practical steps and problem solving;
- Resources and tools.

Bring your technical questions, metadata problems and archive questions, along with sample catalog records and experiences to share.

**Outcomes:** The session will provide an opportunity for hands-on problem-solving on video archive issues relating to long-term access and use, with examples of diverse use-cases and introduction to many tools and resources in the field. The goal is to help provide the means for producers to create an appropriate archive and access plan for their own videos.

## WORKING GROUPS .....

### ***The Missing Link: Flash to HTML5***

Saturday, 2:30—4:00 • W303

**Session Type:** Working group

**Session Category:** Open Media Developers

**Session Leader:** Silvia Pfeiffer (Google), Zohar Babin (Kaltura)

**Description:** HTML5 has introduced the <video> and <audio> elements as well as an API that lets JavaScript control and interact with the media playback. However, there are still many player api interoperability issues between browsers and a lack of functionality in comparison to, for example, Adobe Flash.

After years of experience, Flash has arrived at an Open Source Media Framework (OSMF) as a framework for building robust, feature-rich video players and applications. This includes functionality that goes beyond the mere video playback and addresses issues of video distribution, advertising, tracking, playlists, timed metadata and syndication, see <http://www.osmf.org/about.html>.

This session provides HTML5 video player developers with an opportunity to express their needs and explore features in HTML5 video that they are missing. In discussion with HTML5 browser developers we will clarify if these features are already being worked on, are in scope for HTML5, can be achieved in other ways or need to indeed be worked on as new items for the W3C.

**Outcomes:** This session will discuss potential shortcomings in HTML5 for the practices of monetising media.

One possible outcome could be a list of features that still require standardisation in HTML5, or the design of a JavaScript library that will provide some of the OSMF features in a cross-platform manner.

Other documents of recommendation or best practices could also result from this session.

## WORKING GROUPS

### **Technologies for Anonymization: SecureSmartCam**

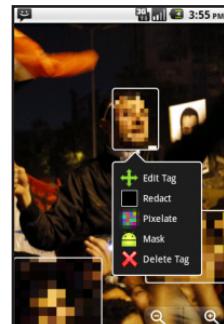
Saturday, 2:30—5:30 • WA10

**Session Type:** Hacking, /**Session Category:** Policy, Technical

**Session Leader:** Bryan Nunez, Sam Gregory (WITNESS)

Andrew Senior

**Description:** The SecureSmartCam project aims to design and develop a new type of smart-phone camera app that respects the visual privacy, anonymity and consent of the subjects they photograph or record. It's designed for capturing images in politically sensitive situations where preserving the anonymity of subjects is a serious consideration.



This session continues the theme of Visual Privacy and Anonymity covered by other OVC 2011 sessions and takes a deeper, solutions-based dive that takes advantage of the cross disciplinary expertise of the OVC participants. The session will start out with an introduction to the potential pros and cons of addressing human rights issues with technology, before addressing some of the key human rights scenarios presented in the *Principles of Visual Privacy* session as well as other scenarios suggested by the participants., We will try to address the problems and concerns of visual media creators and distributors from technology and best practices perspective. We will also try to come up with features and solutions such as those in the upcoming Infor-maCam app that deal with problems around authenticity and validity of data and video as covered in the Verifying and Validating Citizen Video session.

**Expected outcomes:** This session will meet with the goal of developing new features and ideas for the SecureSmartCam/Obscu-raCam project. Participants will discuss completely new projects or app ideas. We will also develop blog posts detailing the scenarios and solutions created during the session.

## WORKING GROUPS

### A Defensive Patent License

Saturday, 2:30pm – 4:00pm • W220

**Session Type:** Working group

**Session Category:** Policy

#### **Session Leaders:**

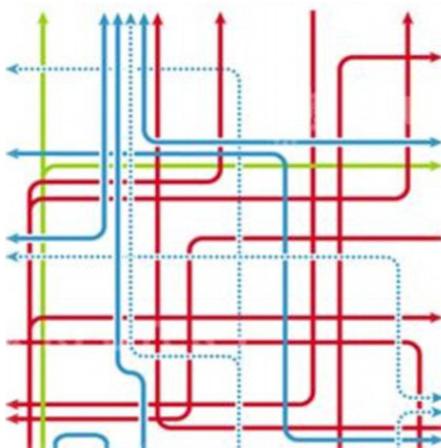
Jason Schultz (Samuelson Law, Technology & Public Policy Clinic at Berkeley)

Jennifer Urban (Samuelson Law, Technology & Public Policy Clinic at Berkeley)

**Key Participants:** Matt Frost (Google); Lea Shaver (Hofstra)

#### **Description:**

Open video standards and tools are essential for participatory media. Yet, in order to keep them open, there must be strategies for managing intellectual property—both within the community and outside. Free and open source licenses have helped manage copyright issues for quite some time, but concerns over patents still abound.



In this session, we introduce a new approach to protecting open video from patent threats—the Defensive Patent License. The concept is simple. Rather than prosecuting and obtaining patents for the purpose of excluding competitors or seeking license fees, defensive patentees acquire patents solely as a deterrent and potential counter-weapon against any entity that threatens them legally.

Despite this tradition, the practice of defensive patenting has been very limited in the open source community. There has also been important skepticism about whether or not defensive patents will actually stay defensive over their lifetime. The DPL attempts to change this trend by providing a legal mechanism that will lower the costs of patenting, align patent with the cultural and political objectives of open technology communities, and make patents permanently defensive as to those who agree to the terms of the license. It publicly commits organizations, companies, and individuals to using their patents for defensive purposes only and creates a broad open patent cross-licensing program available to anyone on a royalty-free basis as long as they agree to do the same.

### **Outcomes:**

This session's goals include developing an assessment of the current patent threat level in open video communities and a detailed understanding of defensive patenting as a practice and the DPL as an open license that would facilitate its use. The group will also work to identify open video projects that are interested in the DPL and plan to move forward on adapting it as part of an effort to defend open video against current and future patent threats.

## WORKING GROUPS .....

### **Standards for Video Accessibility**

Saturday, 4:00pm – 5:30pm • Faculty Commons

**Session Type:** Working group / **Session Category:** Open Media

**Session Leader:** Silvia Pfeiffer (Google), Philip Jagenstedt (Opera)

**Description:** Media accessibility approaches have been specified in HTML5, but not yet been included into any released browser. This includes subtitles and captions as much as audio descriptions and sign language video tracks. In this session, we will discuss the new WebVTT file format which provides timed text for video and audio elements. We will discuss limitations that implementers have come across and new challenges that haven't yet been resolved.

**Outcomes:** This session will make progress on the technical realization of video accessibility on the Web. One possible outcome could be the registration of new bugs on the HTML5 specification, and of bugs on browsers.

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### ***Is The Web Safe for Expression?***

Sunday, 11:30am — 1:00pm • W320

**Session Type:** Discussion / **Session Category:** Policy

**Session Leaders:** Jillian York & Richard Esguerra (EFF)

**Description:** This session will be an open discussion on safety and free expression online and will be flexible, depending on the interests of attendees. We will ask participants to share any specific online safety concerns they have, and will also outline barriers to free expression facing netizens both in authoritarian countries and in democracies, including filtering/blocking of websites, defamation suits, user data requests on social networks, and more. We hope to attract a diverse group of participants, who will identify specific concerns toward online safety in the areas or locales in which they work; the discussion will then revolve around mitigating barriers to free expression. Participants are encouraged to bring with them concerns or examples they've come across. We also encourage tool developers to attend and share their unique knowledge.

## WORKING GROUPS

### *Intro to Popcorn JS and Pitch Session*

Sunday, 11:30am — 1:00pm • W220

**Session Leaders:** Robert Richter (Mozilla), Rick Waldron (Bocoup)

**Description:** To developers, popcorn.js is an events framework for HTML media. For creatives, it's a set of building blocks to tell stories in new, web-native ways. After demonstrating the current state of popcorn.js and its quintessential demo material, teams or individuals will volunteer their ideas regarding where to take Popcorn next. They will propose either a plugin for their own project, or a technological experiment. Of the submissions, a few will be chosen to be realized, limited only by the number of properly experienced developers present.



Popcorn.js

**Outcomes:** The most likely outcome of this session is a handful of interesting mini-projects demonstrating an inventive or underexplored use of Popcorn. However, the possibility exists to collectively pursue one project that requires the broad scope of expertise available at OVC and in this session. One or more of these ideas will be developed in the subsequent Popcorn JS Plugin Sprint.

### *Popcorn JS Plugin Sprint*

Sunday, 2:00pm — 5:00pm • W220

**Description:** Developers, designers, and directors will work together to create each of the selected projects from the Popcorn.js Pitch Session. Depending on resources, each group will have access to at least one member of each field, while resident Popcorn experts roam the floor, offering advice, troubleshooting, or simply answering questions about the platform. When the available development time has expired, groups with completed projects have the opportunity to show off their creations. Candy for the group with the best demo.

**Outcome:** We'll develop new plugins for popcorn.js, which will be open source and freely usable by any creative project.

## WORKING GROUPS .....

### ***Robolawyers for the Web: DMCA automation et al***

Sunday, 2:00pm—5:00pm • W320

**Session Type:** Working group / **Session Category:** Policy

**Session Leader:** Tim Hwang

**Description:** The law is often used in ways that work to harm free expression online and the openness of the web. Users often lack the power, resources, or expertise to actively exercise their legal rights to resist this abuse. How could the automation of legal tasks and user-friendly web applications be used to right this balance and put the power back in the hands of the users?



This session will delve into the emerging work being done at the intersection of computer science, law, and open web activism. We'll tackle ideas as diverse as an application which enables flurries of automated DMCA counter notices to resist efforts to stifle free speech online, to a crowdsourced financing platform for public interest litigation and defense.

#### **Agenda**

- 2:00 – 2:30 – Introductions and Agenda – “hello everyone!”
- 2:30 – 3:30 – Brainstorming – “what problems can we solve?”
- 3:30 – 5:00 - Working Groups – “let’s solve ‘em!”

#### **Expected Outcomes**

We aim to achieve three objectives over the course of the session:

- (1) Develop one to two fleshed-out specifications that will lay out a blueprint for developers and designers to build on after OVC;
- (2) Jumpstart an active community of toolmakers in the development of activist technology in the law;
- (3) Identify a set of problem arenas where similar approaches might be effective into the future.

## WORKING GROUPS

### *Designing a Next-Generation TV Interface*

Sunday, 11:30pm – 1:00pm • WA10

**Session Type:** Working group

**Session Category:** Policy, Technical, Creative

**Session Leader:** Michael Weinberg (Public Knowledge)

**Description:** In 1996, Congress took a big step towards increasing competition in the world of cable television. Following in the footsteps of FCC decisions that made it so you didn't need to rent your phone from the telephone company or get your computer approved by your ISP, Congress told the FCC to put an end to the requirement that cable customers rent their set top boxes from the cable company. Unfortunately CableCARD, the FCC's first attempt to pry the cable boxes away from cable companies, never caught on.

Recently, the FCC decided to take another shot. The initiative, called AllVid, is designed to allow you to access your cable (and satellite) programming however you want without needing a clunky box. Your TV could have its own program guide that was updated since the end of the Soviet era. TV could be integrated into your phone, or your iPad, or your Xbox. Instead of one way to see what was available, devices and devs could compete to create the fastest, best looking, most intuitive program interface.

This is the promise of AllVid. The AllVid gateway would act like a modem, transforming different kinds of cable or satellite feeds into a single, universal video standard. Any device on your home network could access the video and integrate it into its own interface.

**Expected Outcomes:** This session will bring together policy wonks, entrepreneurs, and big thinkers to prototype a next-gen TV interface that relies on AllVid or an AllVid-like content gateway. What would a truly integrated video interface look like? What information should the AllVid standard include? What are the pitfalls of this regulatory approach?

## WORKING GROUPS .....

### **Mobile Content Neutrality**

Sunday, 2:00pm — 3:30pm • WA10

**Session Type:** Working group

**Session Category:** Policy

**Session Leaders:** Julie Adler, Elliott Siebers, Philip Weiss & Jonathan Askin  
(Brooklyn Law Incubator and Policy Clinic)

**Other Participants:** David Carter (Arent Fox), Amanda Antico-Majkowski  
(Mobile Internet Content Coalition) Nicholas Merrill (Calyx Institute)

**Description:** The number of Americans who use mobile devices to watch online video is growing at an exponential rate, with many low-income individuals especially reliant on the mobile Internet. Earlier this year, MetroPCS – a carrier that predominantly serves low-income communities – announced changes to its mobile broadband service plans that would selectively block or cap the use of some Internet content, including online video, for the cheapest plans. For example, users of the base MetroPCS plan receive access to YouTube but not alternative platforms like Vimeo, and they are denied access to services like Skype and Netflix.



With companies like MetroPCS continuing to act as an unregulated gatekeeper (the FCC's net neutrality rules, though not yet in effect, would not clearly apply to the mobile web), Internet innovation and access will be stifled. Entrepreneurial video platforms will reach fewer users and low-income users will increasingly find themselves on the restricted side of the digital divide.

**Outcome:** The mobile content neutrality working group will explore these issues and work toward tangible solutions. The group will develop a best practices template for mobile carriers, discuss the feasibility of a non-profit mobile carrier, and begin an ongoing process of documenting incidents of mobile content discrimination – affecting both entrepreneurs and consumers — to signal to policymakers that they must regulate discriminatory mobile carrier practices in order to foster innovation and bridge the digital divide in the twenty-first century.

## WORKING GROUPS .....

### **Schadenfreude: The Rebecca Black Story**

Sunday, 3:30pm — 5:00pm • WA10

**Session Type:** Discussion

**Session Category:** Creative

**Session Leader:** Greg Dorsainville (NYU ITP)

#### **Description**

What happens when a 13 year old girl who loves to sing is granted the dream of a lifetime and makes a music video that is seen the world over, covered by her musical heroes and transforms her into an overnight star? Lots and lots of hate.



Internet video allows us to create cultural products with vast reach, but as media creators we have the opportunity to be sensitive to how that media encourages the worst parts of our culture: bigotries like racism, sexism, and misogyny. Ignoring this will limit the free and open expression we hope open video can foster on the web. You may feel that this is just another moment of internet snark at its finest, but it is not.

#### **Outcome**

In this session, we'll identify the issue, using the example of the internet phenomenon Rebecca Black. We'll then contextualize this example with other historical analogs of misogyny in media and illustrating the gender double standard. Finally, we'll try to answer some key questions moving forward: How can open video exacerbate or improve this situation? What kind of tools or tactics can we create to help people (possibly young people) express themselves and promote diversity and tolerance on the web? Can we create ways to combat prejudices?

## WORKING GROUPS .....

### ***Making the Map:***

### ***A Visual Representation of the Web Video Landscape***

Sunday, 11:30am — 5:00pm • W300

**Session Leaders:** Marvin Ammori (New America Foundation), Nicholas Bramble (Information Society Project at Yale Law School)

**Confirmed Participants:** Leah Belsky (Kaltura), J. Skyler Fernandes (Centripetal Capital), Matt Frost (Google/WebM), Rebecca Wexler (film director and editor), Amanda Lyons (graphic facilitator), Alex Fowler (Mozilla), Sandy Block (IBM)

**Description:** Our goal in this multi-part workshop is to make a comprehensive infographic with the help of a graphic artist. The graphic will illustrate how different layers of the open video ecosystem, from devices and bandwidth, to software and standards, and filmmaking and distribution, fit together—and what kinds of legal, competitive, or creative constraints are in place at each layer. As we draw this map, we will speak with a range of video makers, distributors, investors, and developers to address the following questions:

Who makes video? Who licenses video, and on what terms? Who aggregates and distributes video? How are different kinds of video encoded? How does video travel across the Internet and other kinds of networks? What roles do backbone providers and content delivery networks play in the process of transmitting video on the Internet? How much control do ISPs have over users' ability to access video? Who is capable of exercising political control over video? And what can you do with video once it gets to a device?

This is a big project and will take place all day Sunday. But we encourage anyone with an interest, or something to contribute, to drop in at one of the following times:

#### **Sessions:**

11:30—1:00 / Bandwidth, backbone peering, cloud and device

2:00—3:30 / Logical, software, and standards

3:30—5:00 / Content and distribution layer

## WORKING GROUPS .....

### **Scalable HTML5 players skill share**

Sunday, 11:30am — 1:00pm • W302

**Session Type:** Hacking

**Session Category:** Technical, Creative

**Session Leader:** Michael Dale (Kaltura)

#### **Description**

This workshop will provide a space to share tips and tricks for building scalable HTML5 players. We will visit topics such as:

- Solutions for dynamic compressed delivery of player plugins and associated javascript, css and image assets;
- The emerging trend of iframe based player encapsulation and associated trade offs and benefits;
- Tips and tricks for dealing with iPad and other device constraints will be shared;

We can look at contemporary video encoding derivative sets beyond the simple three-file output of mp4, webm and ogg and how user agent detection, Apple adaptive streaming, and user interfaces components can work together to improve video experiences per the clients video decoding capabilities.

The above list is not complete. In the workshop itself developers will share issues they face while developing integrated HTML5 players and we will share scalable solutions for addressing these challenges.

#### **Outcome**

The most likely outcome of this session is an improved awareness of the capabilities of HTML5 video and a more in-depth understanding of the little tricks that can be applied to satisfy media publisher needs. Code snippets will be developed that could even form the basis of a “best practices” collection.



## WORKING GROUPS .....

### **Database-Driven Narratives**

Sunday, 2:00pm — 3:30pm • W302

**Session Type:** Working group, tutorial

**Session Category:** Technology, Creative

**Session Leader:** Florian Thalhofer, Matt Soar, Dave Reisch (Korsakow)

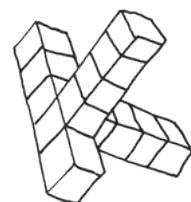
#### **Description**

Linear film has a 150-year-long history. Every story that can be told this way has been told, and new stories are constrained by linearity.

For this reason, filmmakers are turning to the web as a new creative medium. Trained in an old medium (and filled with all the recipes of 150 years of linear film-making), however; they tend to use the same old approach: the author acts as the master of the story. Can there be a different approach? Loosening the ties without losing the author?

Interactive, web-based documentaries are a rapidly emerging medium. Outstanding recent examples include the National Film Board of Canada's Out My Window and Welcome to Pine Point; the ARTE-produced films Gaza/Sderot and Prison Valley; and The Whale Hunt.

In this session we will explore the possibilities of “database-driven cinema,” and brainstorm new narrative possibilities. We’ll do this in part through the lens of The Korsakow System, created in 2000, which offers documentary storytellers a new set of tools (as demonstrated by award-winning Korsakow-films Planet Galata (for ARTE); 7 Sons; 13th Floor; and Forgotten Flags). Other examples are accessible via the Korsakow website).



**KORSAKOW**

Korsakow films are dynamic. In other words, their structure is not mapped out in advance as a set of fixed paths; rather, the author of a Korsakow-film creates the environment for a self-organizing story-

space, through which each viewer can walk on his or her individual path. What can we learn from the Korsakow system? What are the untapped possibilities of the web for new forms of storytelling?

This session is for anyone interested in brainstorming procedural and dynamic storytelling, and will introduce the Korsakow system as one manifestation of this emerging form.

### **Expected outcomes:**

The group will learn from the 3-person Korsakow development team about some of the possibilities of database-driven narratives, the Korsakow project in particular, and its goals and target features (eg exporting to HTML5.) A discussion between filmmakers and technologists will follow.

This session will offer a conceptual and practical overview of Korsakow and the possibilities of database-driven cinema, and an opportunity to contribute to its development through a software development/roadmapping exercise.

Participants will capture session notes and recommend next steps to enable filmmakers to experiment with database-driven cinema—either through subsequent meetings or a new software project.

## WORKING GROUPS

### **Standards for HTTP Adaptive Streaming**

Sunday, 11:30am – 1:00pm • Faculty Commons

**Session Type:** Working group

**Session Category:** Open Media Developers

**Session Leader:** Silvia Pfeiffer (Google), Frank Galligan (Google)

#### **Description**

One of the most popular features of modern Flash players is the ability to adapt the bitrate of the streamed video to the available bandwidth, also called HTTP adaptive streaming. HTML5 browsers (with the notable exception of Safari, which supports Live Streaming) do not yet support this feature because it has not been standardised yet in a codec-independent manner.

ISO/MPEG have developed the DASH specification, which may be applied in a codec-independent manner and therefore be a good option for HTML5.

While there are several solutions for HTTP adaptive streaming of MPEG video, none has been released for WebM, nor a standard set that works across media formats.

Experiments have been run in several frameworks for WebM to see how it can work in comparison to MPEG. This session gives the developers an opportunity to report on their experiences and to discuss how to move forward for standardisation across browsers and codecs.

#### **Outcome**

This session will give developers the opportunity to discuss their experiences with different approaches to HTTP adaptive streaming and allow to come to a conclusion as to what approach may be the best to propose for HTML5.

## WORKING GROUPS

### **Standards for Browser Video Playback Metrics**

Sunday, 2:00pm – 3:30pm • Faculty Commons

**Session Type:** Working group

**Session Category:** Open Media Developers

**Session Leader:** Zachary Ozer (Longtail Video)

#### **Description**

With the proliferation of video playback on mobile devices, video metrics have become more important than ever. Beyond simple engagement data, metrics around data transferred, bandwidth, dropped frames, and playback rate are more important than ever to creating great user experiences.

In spite of this, there is not currently any standardization around measuring the playback performance of HTML5 video in browsers. Flash supports a large collection of network and player measurements and provides excellent insight into the performance of video in the Flash player. In browser, Firefox and Chrome have implemented some custom metrics into their HTML5 video elements.

A proposal of a set of metrics ready for introduction into HTML5 has been prepared, but has not been introduced into HTML5 yet.

#### **Outcome**

This session analyzes the proposed set of metrics for HTML5 video playback and networking performance. The discussion will likely involve:

- *Enumerating the relevant use cases*
- *Reviewing the current metrics proposal*
- *Revision of the current proposal to ensure that it satisfies the use cases, or developing one or more new proposals*
- *Identifying technical concerns surrounding metric equivalence across user agents.*

## WORKING GROUPS

### *Capturing Oral History: Best Practices*

Sunday, 3:30–5:00 • W302

**Session leaders:** Andi Dixon (Columbia University), Jonah Bossewitch (CNMNTL)

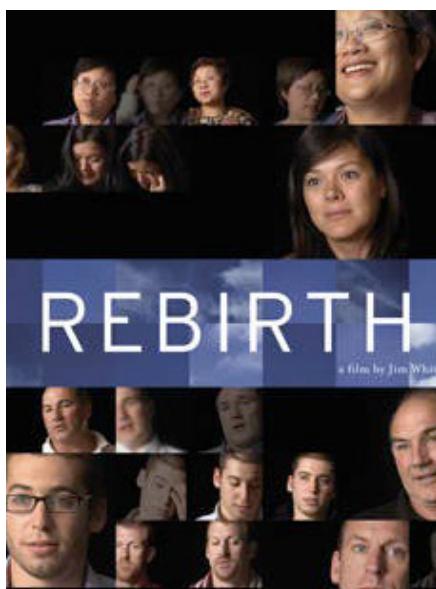
**Summary:** Oral history is the systematic collection of living people's testimony about their own experiences. Oral historians attempt to verify their findings, analyze them, and place them in an accurate historical context.

Oral historians, like documentarians, must exercise a great deal of care in treating their subjects with respect and dignity. Open web video makes this an even more important consideration, as context can quickly be lost, and subjects can be presented in unanticipated, unintended, and inappropriate ways.

What are the emerging best practices for oral history in the age of open video? How can documentarians take advantage of the web while staying respectful of their subjects?

In this session, we'll begin with a screening of a long-form trailer for Project Rebirth, a project that chronicles intimate stories of ten people coping post 9/11 with footage from the rebuilding of Ground Zero (and a powerful work of oral history).

We will proceed to an open discussion of that project, general lessons, and explore through participants' experiences what generalizations can be drawn about best practices for oral history.



**Outcome:** Documentarians, oral historians, and anyone with an interest in archives, representation, open video and ethics are invited to join. We will discuss and begin imagining a code of best practices for oral historians who use the web in their projects.

## CONFERENCE **ORGANIZERS**

# NEW YORK LAW SCHOOL

**NYLS** Founded in 1891, New York Law School is an independent law school located in lower Manhattan near the city's centers of law, government, and finance. New York Law School's renowned faculty of prolific scholars has built the School's strength in areas such as constitutional law, civil and human rights, and media and information law, as well as a number of interdisciplinary fields, and it is noted for its highly regarded academic centers. The school fosters an internal culture that embraces innovation and creativity and the school motto "Learn law. Take action." expresses the Law School's commitment to teach students to use the skills and knowledge they acquire as lawyers to do something valuable for others.



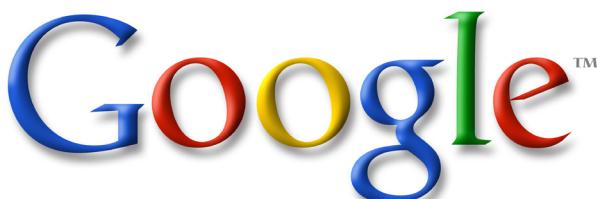
**IILP** The Institute for Information Law & Policy is New York Law School's home for the study of law, technology, and civil liberties. The Institute aims not only to understand the interplay of law and technology, but to influence its development. The Institute develops and applies theories of information and communication to analyze law and policy, and seeks to design new technologies and systems that will best serve democratic values in the digital age.

## THE OPEN VIDEO ALLIANCE

**OMA** The Open Video Alliance is a coalition of organizations and individuals devoted to creating and promoting free and open technologies, policies, and practices in online video. The big idea behind the Open Video Alliance is that heading into this future, the tools for creating, manipulating, and sharing video must be available to everyone. And while having community-developed, open source versions of these tools is critical, it's not the whole story. Open video requires that legal and business structures support the ability of huge numbers of individuals to use video in ways that go beyond just watching.

# mozilla

**Mozilla** is a public benefit, non-profit organization supported by a global community of tens of thousands of dedicated volunteers. Its mission is to strengthen the open web by supporting choice, innovation and opportunity online. Its flagship product, Firefox, is used by hundreds of millions worldwide. Mozilla is also a major force for free and open video technology, contributing to projects like Xiph.org and WebM.



**Google** is a major contributor to HTML5 and open video technologies. Google is an important voice in standards-setting and has long supported dialogue in key areas of open video: Among Google's major contributions to the open video ecosystem include royalty-free video through the WebM initiative and real-time communications in the browser through WebRTC.

## CONFERENCE **SUPPORTERS**



**Kaltura** is the first integrated open source video solution. Kaltura offers a full-featured open source video platform running on your own servers or cloud



**Yale Law School Information Society Project** An intellectual center addressing the implications of the Internet and new information technologies for law and society, guided by the values of democracy, human development, and social justice.



**Zencoder** is a video encoding service, and the stewards of the VideoJS open source project.



**Pace University** Seidenberg School is one of the oldest comprehensive schools of computing in the country, preparing students for lifelong participation in the dynamic information age.



**Boucoup** is a client-facing, JavaScript-focused web development shop in Boston that builds & scales progressively enhanced JavaScript, HTML5 & CSS3 applications and frameworks.



**Flumotion** is a leading multi-device video and radio platform for both live and on demand. Based on open source technology, Flumotion supports HTML5 and covers the entire video value chain, transforming a single video or audio stream into value added content on any device.

## UPCOMING **EVENTS**



### MEDIA, FREEDOM AND THE WEB

NOV 4-6, 2011

#### **Mozilla Festival on Media, Freedom and the Web**

Wednesday, November 4-6th, London

<http://festival.mozilla.org/>

OVC doesn't have to end on Monday! Keep hacking with us towards a better, more open web media landscape. Several OVC working groups and projects will be headed to London..

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#### **Panel: Open Source and Research Multimedia Communities**

Wednesday, November 30th, Scottsdale, Arizona, USA

<http://www.acmmm11.org/>

The open source software community has been instrumental in pushing multimedia state-of-the-art advances to millions of end users. Unfortunately, there are not many large-scale open source projects that integrate results from different multimedia research areas (e.g., video search, peer-to-peer streaming). This panel extends current efforts from the ACM Multimedia 2011 Organization Committee in taking an important step towards open source projects. The panelists include speakers who are among the leading figures from the open source community. The goal is to provide a shared space for discussion and interaction among consolidated and new open source projects and multimedia researchers.

## OVA FOUNDING MEMBERS

**The Participatory Culture Foundation** is a non-profit, established in 2005, to bring people and culture together. PCF makes Miro, Miro Converter, Miro Community, and Universal Subtitles—an effort to make captions available for every video on the web.



**Kaltura** is a company that has created a widely integrated open source video platform. Being open source, Kaltura prides itself on being highly customizable, extremely reliable, and free.



**The Information Society Project** is a center that focuses on how the internet and new technologies affect law and society. The Information Society Project addresses the interplay between memes, genes, and bits—knowledge and culture, people and biology, and technology.



**Mozilla** is a public benefit, non-profit organization and the maker of the Firefox web browser.



**iCommons** is a registered UK charity that promotes collaboration among proponents of open education, access to knowledge, free software, open access publishing and free culture communities around the world.



## OVA MEMBERS AND PARTNER ORGANIZATIONS

**Intelligent Television** produces video and conducts research on media trends in close association with leading cultural and educational institutions like Columbia University, the Library of Congress, the National Academy of Sciences, and Thirteen/WNET. This October, iCommons, OVA and INT are proud to release a report called "Video for Wikipedia and the Open Web: A Guide to Best Practices for Cultural Institutions." Learn more at [intelligenttelevision.com](http://intelligenttelevision.com).



entrepreneurs, and more in order to investigate cyberspace and contribute to its progress. Radio Berkman is recording this weekend at the Open Video Conference. Catch last year's episode at <http://cyber.law.harvard.edu/interactive/podcasts/radioberkman127>

**The Berkman Center for Internet & Society** is a research center that promotes collaboration between faculty, students, lawyers,



**Creative Commons'** mission is to make sharing knowledge and culture easy and legal. We provide a suite of free legal tools, including Creative Commons licenses, which enable creators to easily offer certain usage rights to the public, while reserving other rights. Millions of people, companies, and institutions throughout the world have used CC's tools to make their work – everything from academic coursework and scientific



data to art, music, and journalism – available for free and legal sharing, use, and adaptation.

**Free Press** is a non-partisan organization dedicated to media reform. The group stresses public participation in the media, including supporting independent media operations and promoting universal access to communications. Learn more at [freepress.net](http://freepress.net).



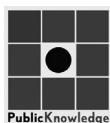
**The Workbook Project**, a self-described “open source social experiment,” aims to create a repository of information to help content creators maximize their potential and outreach on the internet. Learn more at [workbookproject.com](http://workbookproject.com).



**Centro de Tecnologia e Sociedade (CTS - Center for Technology and Society)**, a part of the Fundação Getulio Vargas Law School in Rio de Janeiro, Brazil, is a unique research and educational institution that takes an interdisciplinary approach to law, technology, and society.



**Public Knowledge** is a Washington, D.C.-based public interest group working to defend citizens' rights in the emerging digital culture. We promote innovation and the rights of consumers, while working to stop any bad legislation from passing that would slow technology innovation, shrink the public domain, or prevent fair use.



**Sunlight Foundation** was founded in 2006 with the goal of increasing transparency in American politics. Sunlight is actively taking good on the potential of the internet to empower citizens and improve the quality of public discourse.



## **Electronic Frontier Foundation**

EFF is the leading civil liberties group defending your rights in the digital world. Blending the expertise of lawyers, policy analysts, activists, and technologists, EFF achieves significant victories on behalf of consumers and the general public. EFF fights for freedom primarily in the courts, bringing and defending lawsuits even when that means taking on the US government or large corporations.



## **WITNESS**

uses video to open the eyes of the world to human rights violations. WITNESS empowers people to transform personal stories of abuse into powerful tools for justice, promoting public engagement and policy change.



## **American University Center for Social Media**

The Center for Social Media showcases and analyzes media for public knowledge and action—media made by, for, and with publics to address the problems that they share.



# OPEN VIDEO CONFERENCE 2011

## PROFESSIONAL DIRECTORY

The following is a directory of professionals who have registered to represent their company or organization, along with speakers and guests of the Open Video Conference 2011.

|              |             |                                      |
|--------------|-------------|--------------------------------------|
| Corban       | Brook       | #audio                               |
| Cole         | Gillespie   | #MozNewsLab                          |
| Jan          | Gerber      | 0x2620.org                           |
| Musa         | Syeed       | 30 Mosques                           |
| Ken          | Wiederhorn  | 3rd Ward                             |
| Fabricio     | Zuardi      | alpha.publicvideos.org               |
| Patricia     | Aufderheide | American University                  |
| Eric         | Carlson     | Apple                                |
| Nancy        | McLaughlin  | Archive of Our Own                   |
| David        | Carter      | Arent Fox LLP                        |
| Chris        | Lacinak     | AudioVisual Preservation Solutions   |
| Dave         | Rice        | AudioVisual Preservation Solutions   |
| Andrew       | Pinzler     | BBC Worldwide                        |
| Malaika      | Mose        | Beyond the Box Office                |
| Charlie      | Sherm       | BitInstant                           |
| Warren       | Allen       | BLIP                                 |
| Boaz         | Sender      | Bocoup                               |
| Rick         | Waldron     | Bocoup                               |
| Elliott      | Siebers     | Brooklyn Law Incubator Policy Clinic |
| Philip       | Weiss       | Brooklyn Law Incubator Policy Clinic |
| Julie        | Adler       | Brooklyn Law Incubator Policy Clinic |
| Jonathan     | Askin       | Brooklyn Law Incubator Policy Clinic |
| Julie        | Russo       | Brown University                     |
| Chris        | Rogers      | C4 Tech and Design                   |
| Drew         | Stephan     | C4 Tech and Design                   |
| Dana         | Lutt        | Career Transition For Dancers        |
| Michael      | Cennamo     | CCNMTL, Columbia University          |
| Rob          | Garfield    | CCNMTL, Columbia University          |
| Frank        | Moretti     | CCNMTL, Columbia University          |
| Stephanie    | Ogden       | CCNMTL, Columbia University          |
| Paul         | Stengel     | CCNMTL, Columbia University          |
| Steve        | Welsh       | CCNMTL, Columbia University          |
| Schuyler     | Duveen      | CCNMTL, Columbia University          |
| Brian        | O'Hagan     | CCNMTL, Columbia University          |
| J. Skyler    | Fernandes   | Centripetal Capital Partners         |
| Ann          | Bennett     | Chimpanzee Productions               |
| Thomas Allen | Harris      | Chimpanzee Productions               |

|                |           |  |
|----------------|-----------|--|
| Ethan          | Hugg      | Cisco Systems  |
| Abi            | Wright    | Columbia University Graduate School of Journalism    |
| Jane           | Park      | Creative Commons                                     |
| Charles        | Cliffe    | CubicVR  |
| Grit           | Matthias  | CultureSofa  |
| Ken            | Devine    | Devakis Foundation                                   |
| Liz            | Hodes     | Digital Democracy                                    |
| Graham         | Wheeler   | Drawnalong Studios                                   |
| Jonathan       | Markow    | DuraSpace  |
| Jason          | Daniels   | Easton Community Access Television                   |
| Richard        | Esguerra  | Electronic Frontier Foundation                       |
| Jillian        | York      | Electronic Frontier Foundation                       |
| Shaun          | Clarke    | Emerson College                                      |
| Simon Emmanuel | Roux      | Espaces temps Montréal                               |
| Paul           | Ewen      | Ewen Industries, Inc.                                |
| Thomas         | Ficklin   | Ficklin Media  |
| Beardsley      | Ruml      | FinalsClub; Harvard Institute Learning in Retirement |
| Per            | Thulin    | Flattr   |
| Colin          | Clark     | Fluid Project  |
| Jason          | Sigal     | Free Music Archive @ WFMU-FM                         |
| Chris          | Dorr      | Future of Film Blog, Tribeca Film                    |
| Dennis         | Stevens   | Geisterschiff Media                                  |
| Luca           | Barbato   | Gentoo   |
| Anna           | Cavender  | Google   |
| Aaron          | Colwell   | Google   |
| Frank          | Galligan  | Google   |
| John           | Koleszar  | Google   |
| Alex           | Kozak     | Google   |
| Jasmine        | Langridge | Google   |
| Jan            | Linden    | Google   |
| Silvia         | Pfeiffer  | Google   |
| Jeffrey        | Posnick   | Google   |
| Andrew         | Scherkus  | Google   |
| Matt           | Frost     | Google   |
| Harlo          | Holmes    | Guardian Project                                     |
| Andrew         | Senior    | Guardian Project                                     |
| Hans-Christoph | Steiner   | Guardian Project                                     |
| Mark           | Boas      | Happyworm Ltd, jPlayer.org                           |
| Peter          | Fontanes  | Hispanics in Information Technology                  |
| Lea            | Shaver    | Hofstra Law School                                   |
| Sandy          | Block     | IBM  |
| Philippe       | Normand   | Igalia   |
| Nicholas       | Bramble   | Information Society Project at Yale Law School       |

|          |                  |  |
|----------|------------------|--|
| Rebecca  | Wexler           | Information Society Project at Yale Law School |
| William  | New              | Intellectual Property Watch                    |
| Tracey   | Jaquith          | Internet Archive                               |
| Brewster | Kahle            | Internet Archive                               |
| Roger    | Macdonald        | Internet Archive                               |
| Amee     | Evans Godwin     | ISKME  |
| Luisa    | Dantas           | JoLu Productions Inc.                          |
| Zachary  | Ozer             | JWPlayer; Longtail Video                       |
| Pablo    | Schlkowsky       | JWPlayer; Longtail Video                       |
| Zohar    | Babin            | Kaltura  |
| Leah     | Belsky           | Kaltura  |
| Michael  | Dale             | Kaltura  |
| Andrew   | Davis            | Kaltura  |
| Linda    | Drabik           | Kaltura  |
| Perry    | Fetterman        | Kaltura  |
| Michal   | Tsur             | Kaltura  |
| Thomas   | Nixon            | Karolinska Institutet in Stockholm,            |
| David    | Reisch           | Korsakow                                       |
| Matt     | Soar             | Korsakow                                       |
| Florian  | Thalhofer        | Korsakow                                       |
| Cindy    | Gallop           | Make Love, Not Porn                            |
| Joe      | Martis           | Massachusetts Institute Technology             |
| Branda   | Miller           | Media Alliance                                 |
| Steve    | Pierce           | Media Alliance                                 |
| Joseph   | Bergen           | metaLAB at Harvard                             |
| Abram    | Stern            | Metavid  |
| Amanda   | Antico-Majkowski | Mobile Internet Content Coalition              |
| Chris    | Blizzard         | Mozilla  |
| Alex     | Fowler           | Mozilla  |
| Ralph    | Giles            | Mozilla  |
| Ben      | Moskowitz        | Mozilla  |
| Anant    | Narayanan        | Mozilla  |
| Bobby    | Richter          | Mozilla  |
| Mark     | Surman           | Mozilla  |
| Michael  | Verdi            | Mozilla  |
| Brian    | Brennan          | Mozilla  |
| Timothy  | Terriberry       | Mozilla/Xiph.Org                               |
| Mike     | Knowlton         | Murmur   |
| Hal      | Siegel           | Murmur   |
| Robert   | Lazo             | National Academy of Television Arts & Sciences |
| Alyce    | Myatt            | National Endowment for the Arts                |
| Mary     | Smith            | National Endowment for the Arts                |
| Laura    | Welsh            | National Endowment for the Arts                |

|           |             |                                       |
|-----------|-------------|---------------------------------------|
| Bob       | Leonard     | NBC Universal                         |
| Mark      | Watson      | Netflix                               |
| Marvin    | Ammori      | New America Foundation OTI            |
| Ruth      | del Campo   | New York Law School                   |
| James     | Grimmelmann | New York Law School                   |
| Molly     | Land        | New York Law School                   |
| Beth      | Noveck      | New York Law School                   |
| Andrea    | Casillas    | New York Law School/Peer To Patent    |
| Richard   | Matasar     | New York Law School, Dean             |
| Marine    | Boudeau     | New York Public Radio                 |
| Sarah     | Knuckey     | New York University                   |
| Helen     | Nissenbaum  | New York University                   |
| Angelique | Mannella    | Nokia                                 |
| Al        | Williams    | Northampton Community Television      |
| Harry     | Wolff       | NPeaches                              |
| Ernie     | Zahn        | NPeaches                              |
| Celeste   | North       | NuFlick                               |
| Richard   | Sherwin     | NYLS                                  |
| Katie     | Baxter      | NYLS Students for Free Culture        |
| Dr. Peter | Morales     | NYU                                   |
| Mark      | Reilly      | NYU                                   |
| Mehan     | Jayasuriya  | NYU ITP                               |
| Dan       | Liss        | NYU ITP                               |
| Shawn     | Van Every   | NYU/ITP and Guardian Project          |
| Pippin    | Lee         | Open Journalism                       |
| Kate      | Hudson      | Open Journalism, York University      |
| Jacob     | Caggiano    | Open Video Alliance                   |
| Rich      | Jones       | Open Watch                            |
| Dave      | Malicke     | Open.Michigan                         |
| Phill     | Hill        | openstudy and iGOiq                   |
| Philip    | Jägenstedt  | Opera Software                        |
| Francesca | Coppa       | Organization For Transformative Works |
| Rena      | Chicklas    | Pace University Seidenberg School     |
| Jonathan  | Hill        | Pace University Seidenberg School     |
| Dean      | Jansen      | Participatory Culture Foundation      |
| Nicholas  | Reville     | Participatory Culture Foundation      |
| Aleli     | Alcala      | Participatory Culture Foundation      |
| Anne      | Jonas       | Participatory Culture Foundation      |
| Craig     | Zheng       | Participatory Culture Foundation      |
| Holmes    | Wilson      | Participatory Culture Foundation      |
| Bradley   | Samuels     | Partner; Situ Studio                  |
| Jennifer  | Rodriguez   | PBS                                   |
| Tami      | Mount       | PBS Learning Media                    |

|           |                            |   |
|-----------|----------------------------|---|
| Vishal    | Kapoor                     | Pearson   |
| Philipp   | Schmidt                    | Peer 2 Peer University                            |
| Micah     | Sifry                      | Personal Democracy Forum                          |
| Jeff      | Fortin                     | Pitivi  |
| Elisa     | Kreisinger                 | Pop Culture Pirate                                |
| Susan     | Chun                       | Project Audience                                  |
| Gigi      | Sohn                       | Public Knowledge                                  |
| Katy      | Tasker                     | Public Knowledge                                  |
| Michael   | Weinberg                   | Public Knowledge                                  |
| Camille   | Acey                       | QuestionCopyright.org                             |
| Karl      | Fogel                      | QuestionCopyright.org                             |
| Brenna    | Farrell                    | Radiolab and WNYC Radio                           |
| Jonathan  | McIntosh                   | Rebellious Pixels                                 |
| Joanne    | Mcneil                     | Rhizome.org                                       |
| Tim       | Hwang                      | Robot, Robot & Hwang / Boalt                      |
| Jason     | Schultz                    | Samuelson Clinic at Berkeley Law                  |
| Jennifer  | Urban                      | Samuelson Clinic at Berkeley Law                  |
| Jeff      | Davidson                   | Saylor.org  |
| Alana     | Harrington                 | Saylor.org  |
| Perry     | Bard                       | School of Visual Arts/Pratt Institute             |
| Lucio     | Pileggi                    | Scuola Normale Superiore di Pisa                  |
| Rick      | Gell                       | Second Line Digital LLC                           |
| Michael   | Soupios                    | Seton Hall University                             |
| Paco      | de Onís                    | Skylight Pictures                                 |
| Forrest   | Glick                      | Stanford University                               |
| Elizabeth | Stark                      | Stanford University                               |
| David     | Clinch                     | Storyful  |
| Tom       | Stroll                     | Stroll Media Group                                |
| Nina      | Huntemann                  | Suffolk University                                |
| Tiina     | Knuutila                   | Sunlight Foundation                               |
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| Grace       | Lile             | Witness                                |
| Yvonne      | Ng               | Witness                                |
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