

The Smithsonian's Lemelson Center for the  
Study of Invention and Innovation  
*presents*



# INVENTING THE SURVEILLANCE SOCIETY

*The role of invention  
in negotiating the boundaries  
between privacy and security*



October 25, 2013

Warner Bros. Theater, National Museum of American History

## **FRIDAY, OCTOBER 25**

Warner Bros. Theater, First Floor

10:15 a.m.–12 p.m. Surveillance in Museums and  
Cultural Attractions

1:15 p.m.–2 p.m. Keynote Address

2p.m.–3 p.m. Inventing the Surveillance Society—  
Part 1

3:15p.m.–4:15 p.m. Inventing the Surveillance Society—  
Part 2

4:15p.m.–5 p.m. Roundtable Discussion—Making Sense of  
Surveillance

8p.m.–9:30 p.m. The Surveillance Society in Fact and  
Fiction

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10 a.m.–4 p.m. Objects Out of Storage  
*Location: 1East Corridor*

12 p.m.–12:30 p.m. Book Signings

1:45 p.m.–2:15 p.m. *Location: LeFrak Lobby*

9:30p.m.–10 p.m.

We are delighted you have joined us for the Lemelson Center's symposium series, New Perspectives on Invention and Innovation. This ██████ year, we are tackling some important and timely questions: how did our "surveillance society" emerge, and what is the effect of ██████ ubiquitous surveillance on our everyday lives?

*Inventing the Surveillance Society* explores the role of invention and technology in a modern world where our actions (and transactions) are constantly being monitored. The symposium brings together scholars, inventors, policymakers, and the public to discuss the historical evolution of surveillance technologies, and their ██████ contemporary societal implications.

For it is certain that we are being watched. Anytime we enter a building, ██████ place a phone call, swipe a credit card, or visit a website, our actions are observed, recorded, and analyzed by commercial and government entities. We knew we had a hot topic when we began planning at the start of 2013, but we had no idea it would soon explode into the headlines with the Boston Marathon bombing dragnet and Edward Snowden's revelations of widespread ██████ domestic surveillance by the National Security Agency. ██████ This year's symposium makes a new and important contribution to the ongoing ██████ debates by examining the technological basis of our surveillance society while exploring its long history.

We would like to thank our speakers for sharing their expertise, and you, our audience, for bringing your interest, insights, and questions to these activities.

*Arthur Molella, Director,  
Lemelson Center for the Study of Invention and Innovation*

# WELCOME REMARKS

*John Gray, Director, National Museum of American History*

## SURVEILLANCE IN MUSEUMS AND CULTURAL ATTRACTIONS

10:15 a.m.–12 p.m.

At museums and other cultural attractions, surveillance technologies help ensure the safety of thousands of visitors while securing priceless artifacts and [REDACTED] works of art. But even as closed-circuit TV cameras provide security, they can also count visitors and determine their [REDACTED] demographics. Meanwhile, smartphones can deliver rich content to complement visitors' in-gallery experiences while also providing a trove of data about their behaviors, including walking paths and dwell times.

In this session, we examine the emergence of surveillance technologies in museums and cultural institutions, and their potential to transform visitors' studies.

**REDACTED**

## **Speakers:**

- *Steve Keller*, President, Architect's Security Group, Inc.  
"Protecting Our Nation's Cultural Treasures in an Age of Thieves, Computer Hackers, and Evil Bot Masters"
- *Sam Quigley*, Vice President for Collections Management and Museum Chief Information Officer, Art Institute of Chicago  
"Extending the Visitor Experience with Wi-Fi at the Art Institute of Chicago"
- *Elizabeth Merritt*, Founding Director, Center for the Future of Museums, American Alliance of Museums  
"The Watchful Museum: How Far will Public Trust Go?"

## **Moderator:**

*Nancy Proctor*, Head of Mobile Strategy and Initiatives,  
Smithsonian Institution

**CLASSIFIED**

## **KEYNOTE ADDRESS**

### **GOOGLE'S GOLDFISH: LIVING WITH SURVEILLANCE**

1:15 p.m.–2 p.m.

Once, surveillance was for [REDACTED] suspects; now, mass surveillance is commonplace. Once it was clear who was watching and who was watched; now, government, corporations, [REDACTED] and the public are each involved in new ways. How did this come about? The story of surveillance includes both technical and cultural invention.

*David Lyon*, Director of the Surveillance Studies Centre at Queens University, explores the long evolution of the surveillance society.

# INVENTING THE SURVEILLANCE SOCIETY PART 1

2 p.m.–3 p.m.

What are the various inventions that underpin our surveillance society? What are the social, cultural, political, and economic implications of these technologies? In a series of short talks, [REDACTED] distinguished speakers from academia, government, and the [REDACTED] business world discuss the historical evolution and contemporary prevalence of surveillance technologies in various aspects of everyday life.

## Speakers:

- *Josh Lauer*, Assistant Professor of Communications, University of New Hampshire  
“Nineteenth-Century ‘New’ Media and the History of Modern Surveillance”
- *Al Shipp*, Chief Executive Officer, 3VR, Inc.  
“Evolution of Video Surveillance: 3VR’s Video Intelligence Platform”
- *Jonathan Cantor*, Deputy Chief Privacy Officer, Department of Homeland Security  
“Designing Solutions to Protect both Privacy and Security”

## Moderator:

*Jeffrey Brodie*, Deputy Director, Lemelson Center for the Study of Invention and Innovation



# INVENTING THE SURVEILLANCE SOCIETY PART 2

3:15 p.m.–4:15 p.m.

Three additional speakers provide their perspectives on the historical [REDACTED] and contemporary role of technology in our modern surveillance society.

## Speakers:

- o *Ken Lipartito*, Professor of History, Florida International University  
“Exposed to the Market: Surveillance in the Private Sector”o
- o *James G. Kobielus*, Big Data Evangelist, IBM  
“Big Media: Inventing the Streaming Society”o
- o *Daniel Solove*, Professor, George Washington University Law School  
“Why Surveillance Matters Even if You Have Nothing to Hide”o

## Moderator:

*Eric S. Hintz*, Historian, Lemelson Center for the Study of Invention and Innovation



# **ROUNDTABLE DISCUSSION**

## **MAKING SENSE OF SURVEILLANCE**

4:15 p.m.–5 p.m.

The afternoon's speakers join the audience in a wide-ranging panel discussion [REDACTED] on the role of inv[REDACTED]on in negotiating the boundaries between privacy and security.

[REDACTED]

### **Speakers:** [REDACTED]

Jonathan Cantor, James G. Kobielus, Josh Lauer, Ken Lipartito, David Lyon, Al Shipp, Daniel Solove, and the audience

### **Moderator:**

*Martin Collins*, Curator, National Air and Space Museum



# WELCOME REMARKS

*Arthur Molella*, Director, Lemelson Center for the Study of Invention and Innovation

## THE SURVEILLANCE SOCIETY IN FACT AND FICTION

8 p.m.–9:30 p.m.

In the smash CBS series *Person of Interest*, inventor Harold Finch teams up with ██████████ ex-CIA agent John Reese to prevent violent crimes. Bearing a striking resemblance to existing surveillance systems, Finch’s ██████████ masterpiece—“the machine”—uses pattern recognition and closed-circuit television feeds from across New York City to give Finch and Reese the information they need.

The real-life predecessors of “the machine” are the subject of Shane Harris’ award-winning book *The Watchers: The Rise of America’s Surveillance State*. In his well-researched and balanced account, Harris chronicles the rise of America’s surveillance state over the past 25 years ██████████ and highlights a dangerous paradox: Our government’s strategy has made it harder to catch terrorists and easier to spy on the rest of us.

Join our speakers in a conversation about privacy, security, and art informed by true events.

**REDACTED**

## **Speakers:**

- *Jonathan Nolan*, Creator and Executive Producer, CBS's *Person of Interest*
- *Greg Plageman*, Executive Producer, CBS's *Person of Interest*
- *Shane Harris*, Author, *The Watchers: The Rise of America's Surveillance State*

## **Moderator:**

*Joyce Bedi*, Senior Historian, Lemelson Center for the Study of Invention and Innovation

# BOOK SIGNINGS

Location: LeFrak Lobby, First Floor, outside Warner Bros. Theater

12 p.m.–12:30 p.m.

**David Lyon**

Director, Surveillance Studies Centre, Queens University

- *Surveillance Studies: An Overview* (2007)
- *Liquid Surveillance: A Conversation* (2013)

1:45 p.m.–2:15 p.m.

**Daniel Solove**

Professor, George Washington University Law School

- *Understanding Privacy* (2010)
- *Nothing to Hide: The False Tradeoff Between Privacy and Security* (2013)

9:30 p.m.–10 p.m.

**Shane Harris**

Author

- *The Watchers: The Rise of America's Surveillance State* (2011)

# OBJECTS OUT OF STORAGE

Location: First Floor, East Wing corridor  
10 a.m.–4 p.m.

Two Smithsonian collections featuring historical surveillance materials are on view:

- *The Princeton University Poster Collection* (1906–1950), Archives Center, National Museum of American History. Posters were one of the largest mediums for advertising during World War II. Government posters stressed the importance of national security and deterring information leaks and sabotage. They made people feel that secrecy and [REDACTED] protecting their privacy was a patriotic duty.
- *Trade Literature*, Smithsonian Institution Libraries. Trade literature consists of catalogs and books that were once part of the merchandising of American business. The present collection contains more than 500,000 catalogs, technical manuals, [REDACTED] advertising brochures, price lists, company histories, and related materials representing more than 30,000 companies. On display are items highlighting various surveillance technology.

# **NEW PERSPECTIVES ON INVENTION AND INNOVATION SYMPOSIUM SERIES**

The Lemelson Center's annual symposium series, New Perspectives on Invention and Innovation, was established in 1995 to explore historical and contemporary issues regarding [REDACTED] invention and innovation in our society. The annual symposium brings together historians, inventors, practitioners, and a broad range of audiences through a mixture of scholarly presentations, family-oriented activities, hands-on educational programs, invention demonstrations, and behind-the-scenes tours. For a list of past symposia, see [invention.smithsonian.org/events/conf\\_symposia.aspx](http://invention.smithsonian.org/events/conf_symposia.aspx).

## **LEMELSON CENTER FOR THE STUDY OF INVENTION AND INNOVATION**

The Lemelson Center has led the study of invention and innovation at the Smithsonian since 1995. The Center's activities advance scholarship [REDACTED] on the history of invention, share stories about inventors and their work, and nurture [REDACTED] creativity in young people. The Center is supported by The Lemelson Foundation and located in the National Museum of American History. For more information, visit [invention.smithsonian.org](http://invention.smithsonian.org).



## **EXPLORE!**

Podcast with Adam Harvey, designer of surveillance counter-measures: [invention.smithsonian.org/video](https://invention.smithsonian.org/video)

Visit our blog: [blog.invention.smithsonian.org](https://blog.invention.smithsonian.org)

Tweeting? Be sure to use #surveillance! @SI\_Invention

### **Please turn off all electronic devices during the program.**

Photographing or recording this event, unless previously authorized, is not permitted. This program is being recorded by the Museum and your participation in the audience question-and-answer period serves as consent to be recorded. The program is subject to change.

### **Today's program is being webcast live at:**

[ustream.tv/channel/smithsonian-lemelson-center](https://ustream.tv/channel/smithsonian-lemelson-center)

Lemelson Center for the Study of Invention and Innovation  
National Museum of American History

Smithsonian Institution

P.O. Box 37012 MRC 604

Washington, D.C. 20013-7012

P 202.633.3450

E [lemcen@si.edu](mailto:lemcen@si.edu)

[invention.smithsonian.org](https://invention.smithsonian.org)



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*National Museum of American History*

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