

# Tech Trends on the Horizon for Libraries

Southern California Innovative Users  
Group (SCIUG)

Fall 2012 Conference  
October 10, 2012



University of California, Irvine Libraries

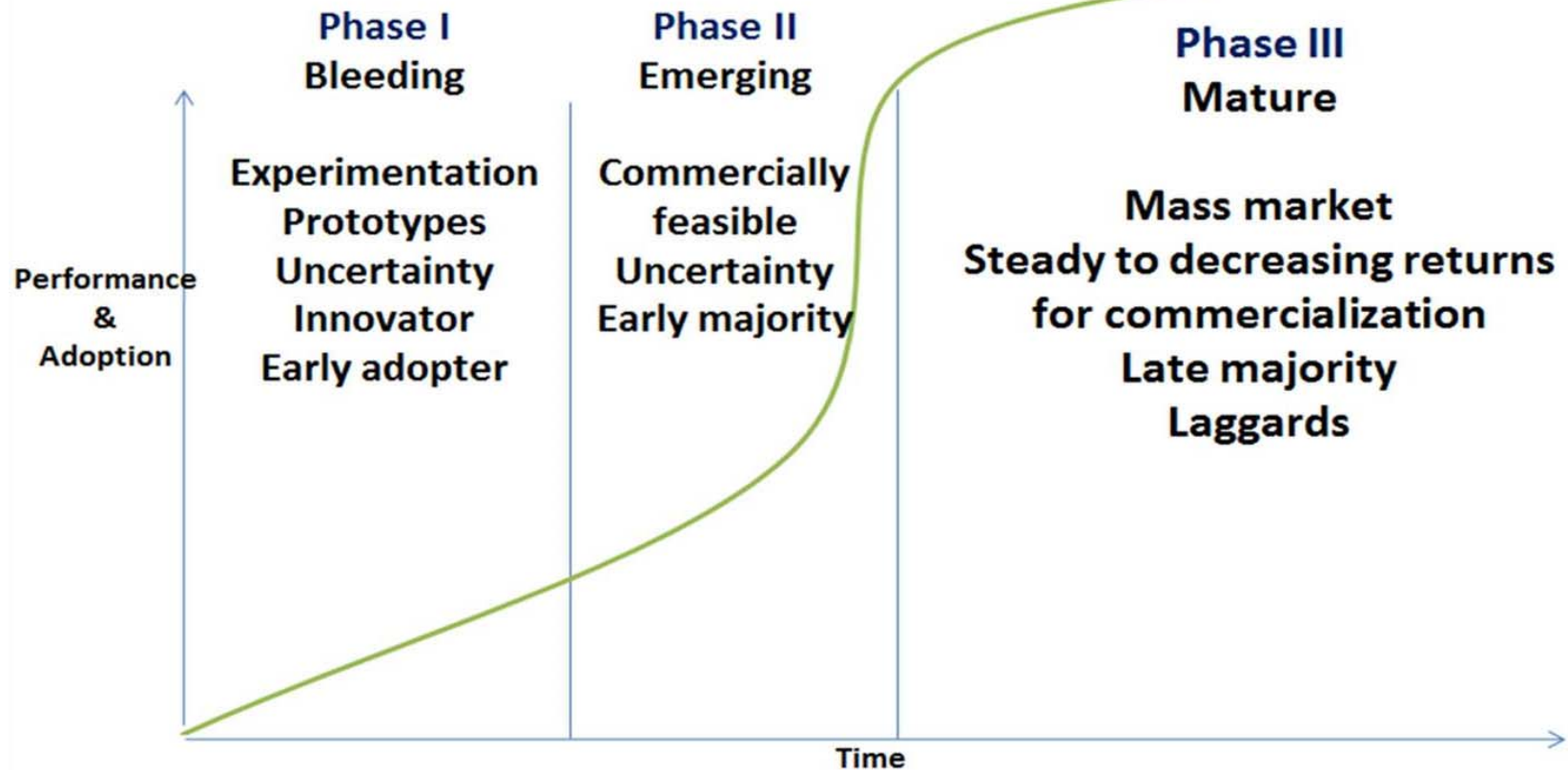
**Danielle Kane**

Research Librarian for Emerging  
Technologies and Service Innovation

**Jeff Schneidewind**

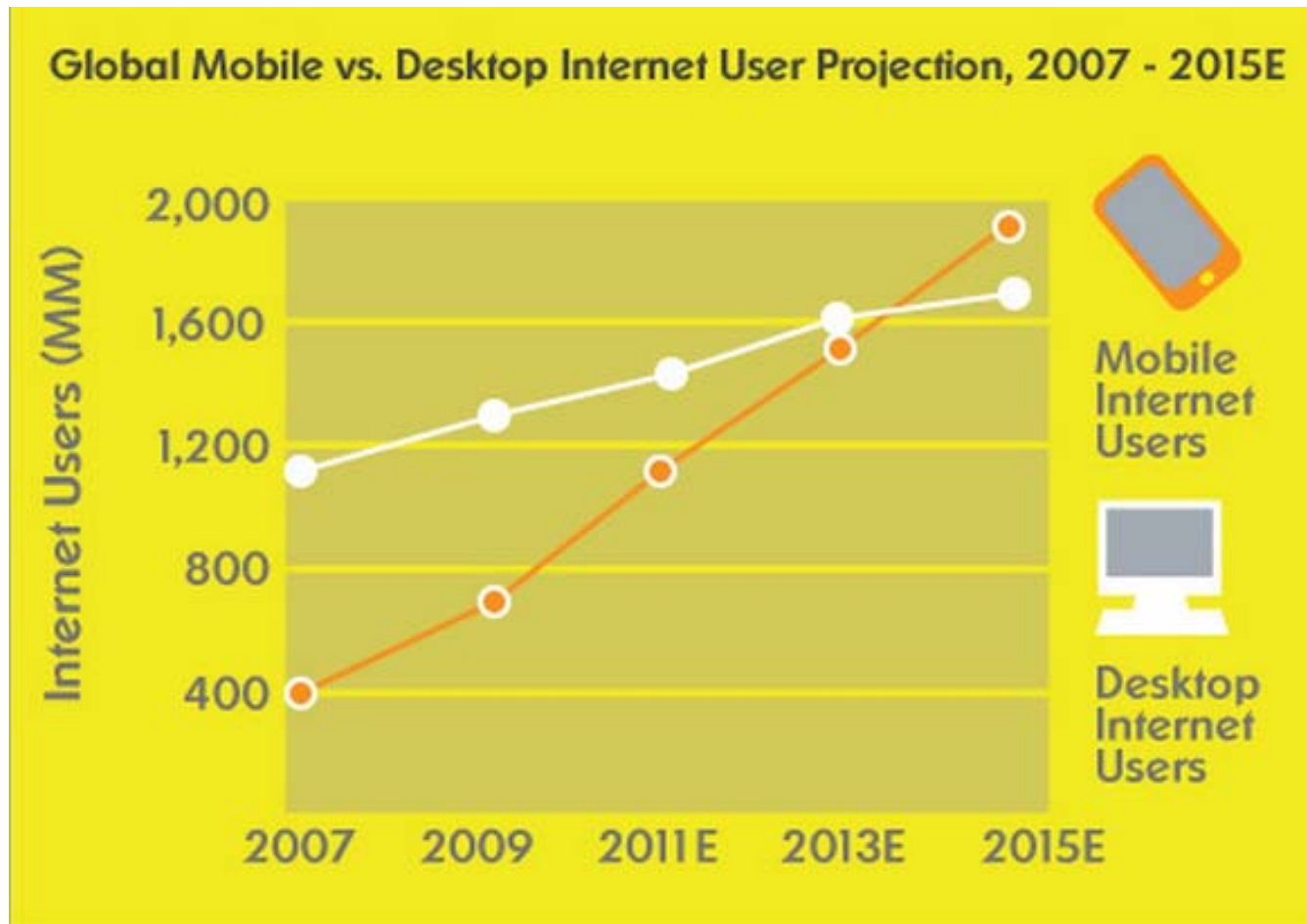
Emerging Technologies Research  
Specialist

# Technology Adoption



Rogers, E. M. (2003). Diffusion of innovations (5th ed.). New York: Free Press.

# Mobile Devices



<http://goo.gl/ySuFS>

# Smartphones

iPhone 5



<http://goo.gl/SJM9x>

# Smartphones

## Samsung Galaxy SIII



<http://goo.gl/FnVz8>

# Smartphones

## Nokia Lumina – First Windows 8 Phone



<http://goo.gl/czDB2>

## Dual SIM Android

### Acer Gallant Duo



<http://goo.gl/gRT4Y>

## Google Field Trip

- Combo hyper-local discovery tool / city guide
- Android (iOS coming soon)
- Shows: restaurants, parks, art shows, cool shops, and historical factoids

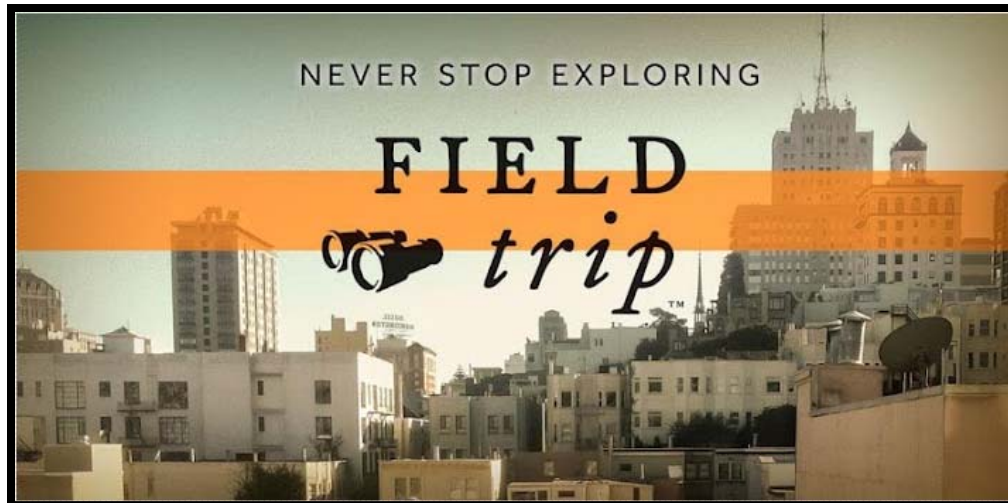
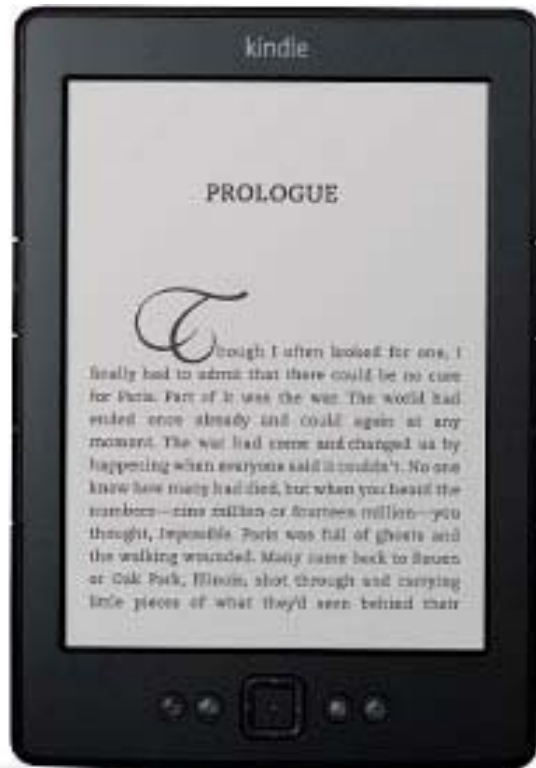


Image Source & Download: <http://goo.gl/WFJG2>



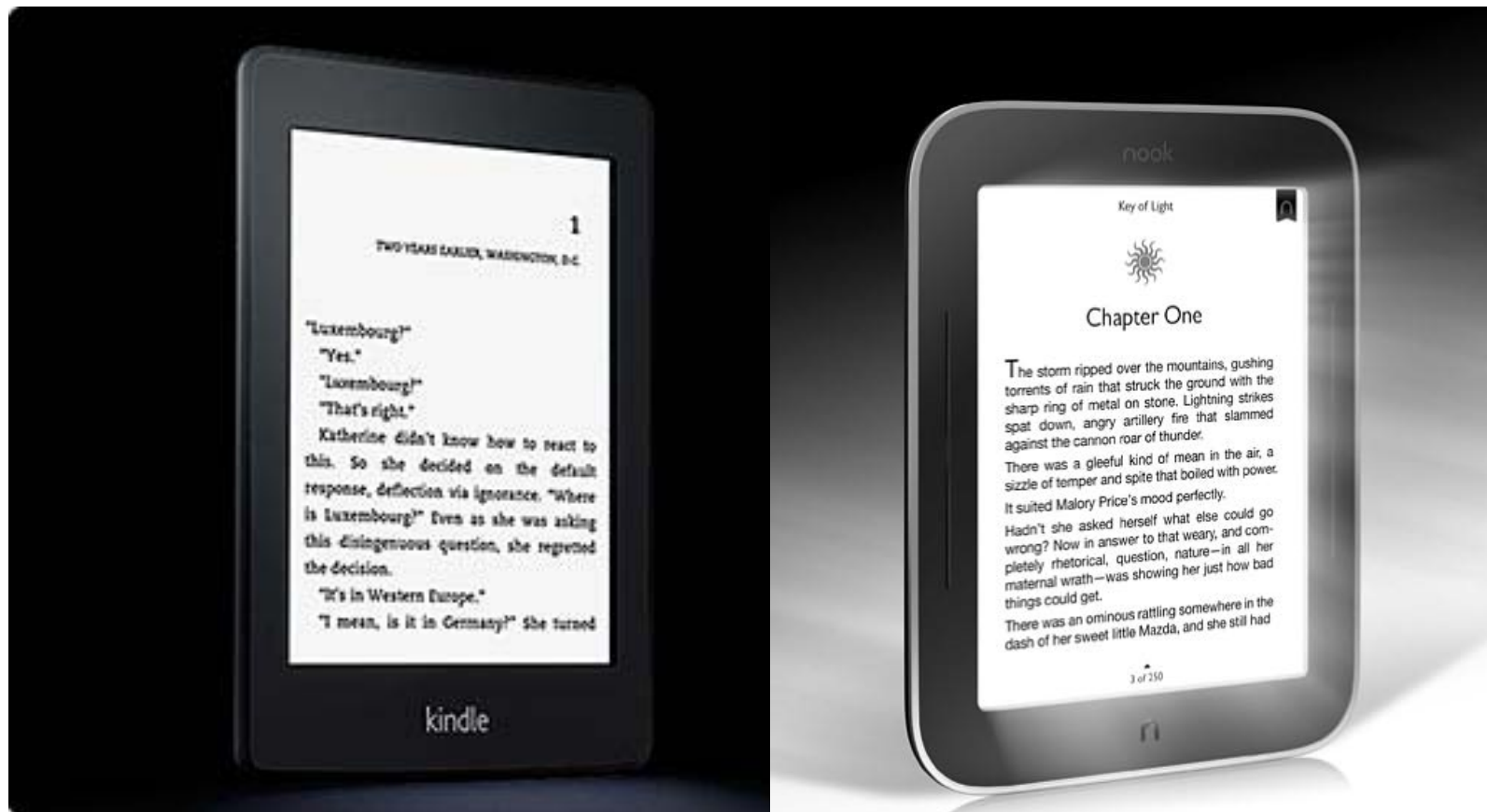
# eReaders - Basic

- Kindle and Nook Simple Touch



# eReaders - Lighted

## Kindle Paperwhite & Nook SimpleTouch with GlowLight



# eReader/Tablets

## Kindle FireHD and Nook HD



# eBooks



Image Source: <http://goo.gl/15Wkc>

# Enhanced eBooks

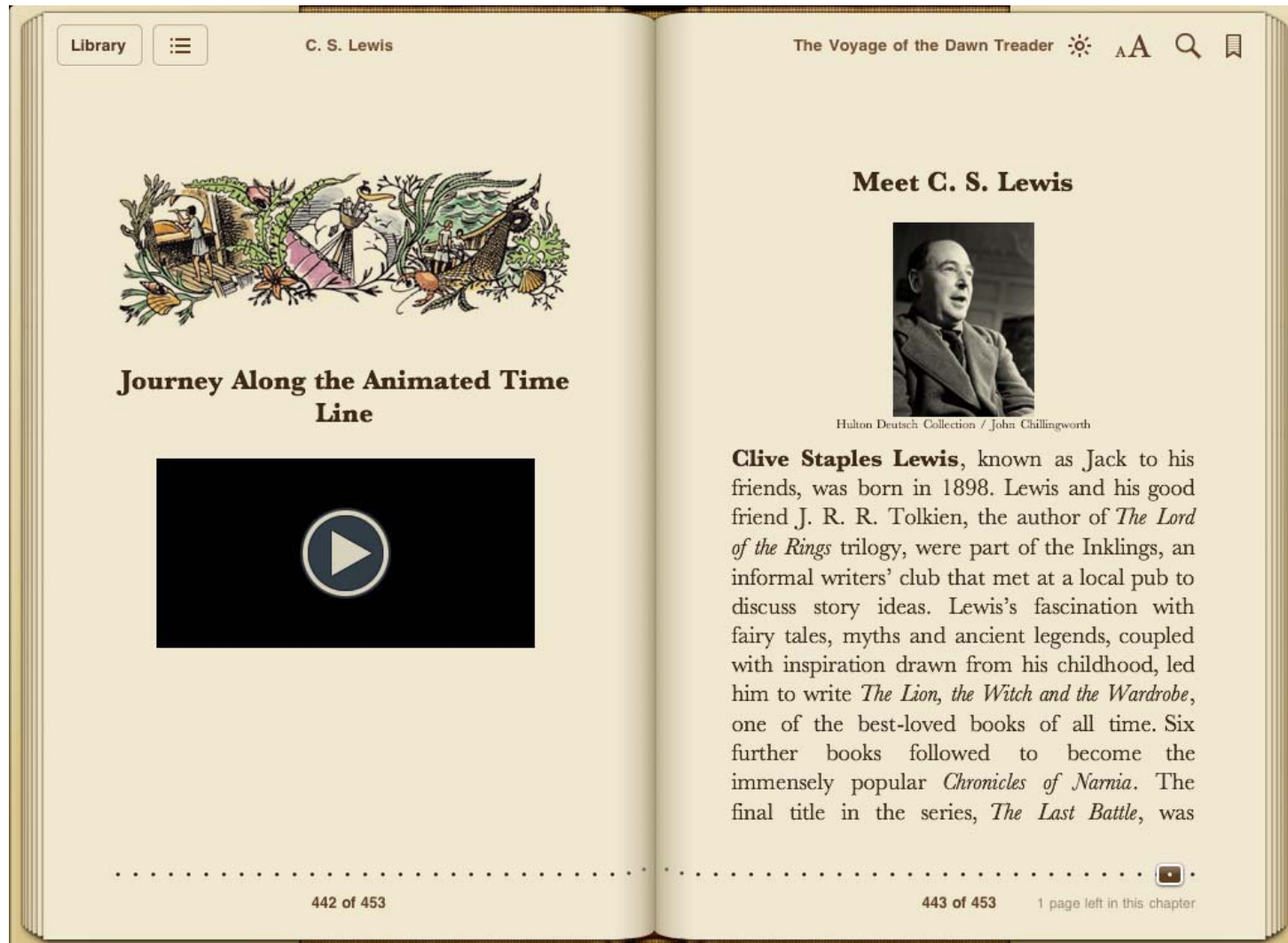
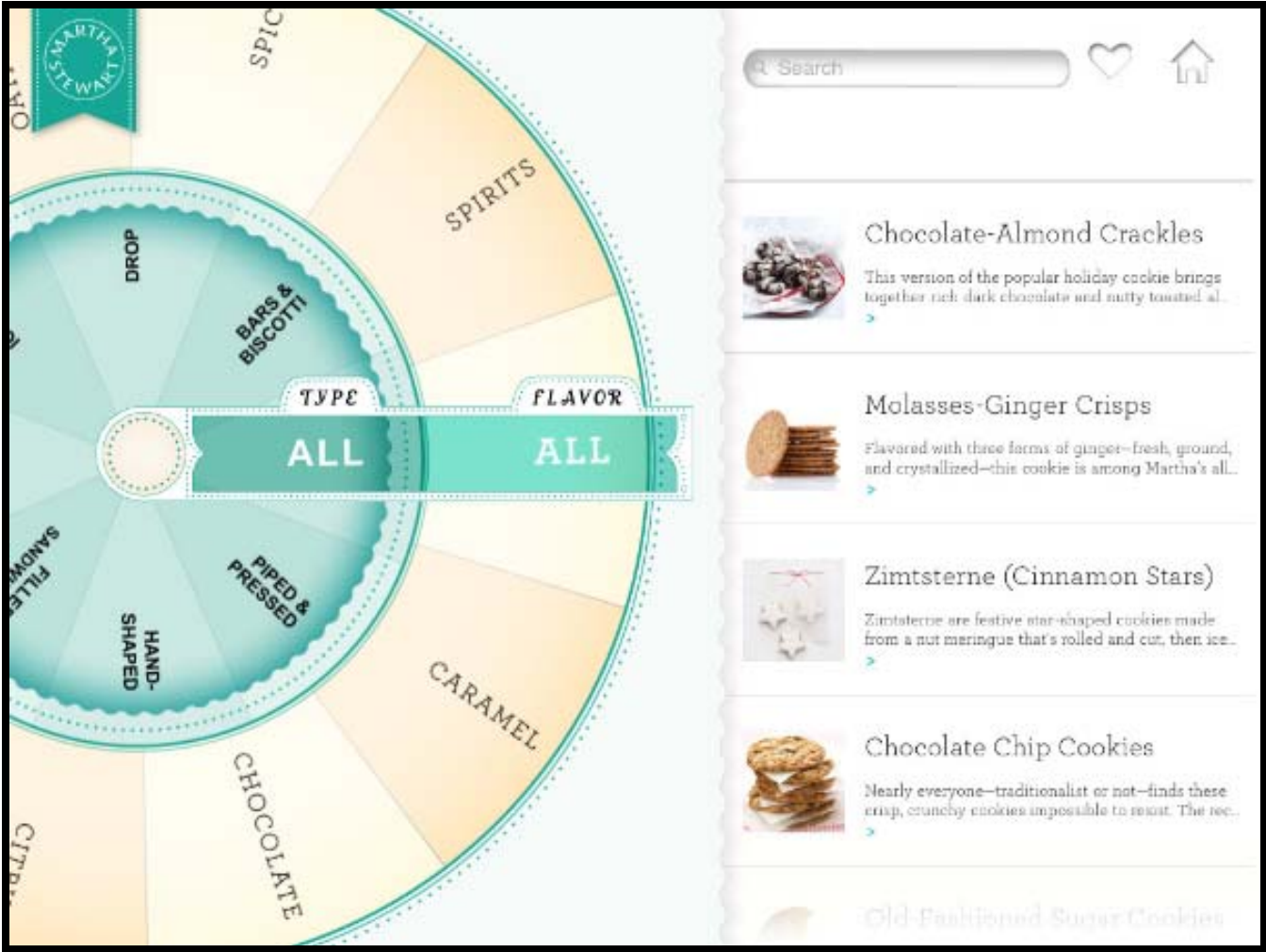


Image Source: <http://goo.gl/dJRWm>

# eBook Apps



Martha Stewart Cookies iPad app / Image Source: <http://goo.gl/9AJjz>

## Augmented Reality Books

- Anomaly
- Horrible Hauntings
- Zappar & Penguin
- Dorling Kindersley: Human Body & Dinosaurs



<http://goo.gl/zKggU>

# Tablets

iPad





# Phablets



Image source: <http://goo.gl/YgKBa>

## Mini-Tablets

Google Nexus 7 - iPad mini?



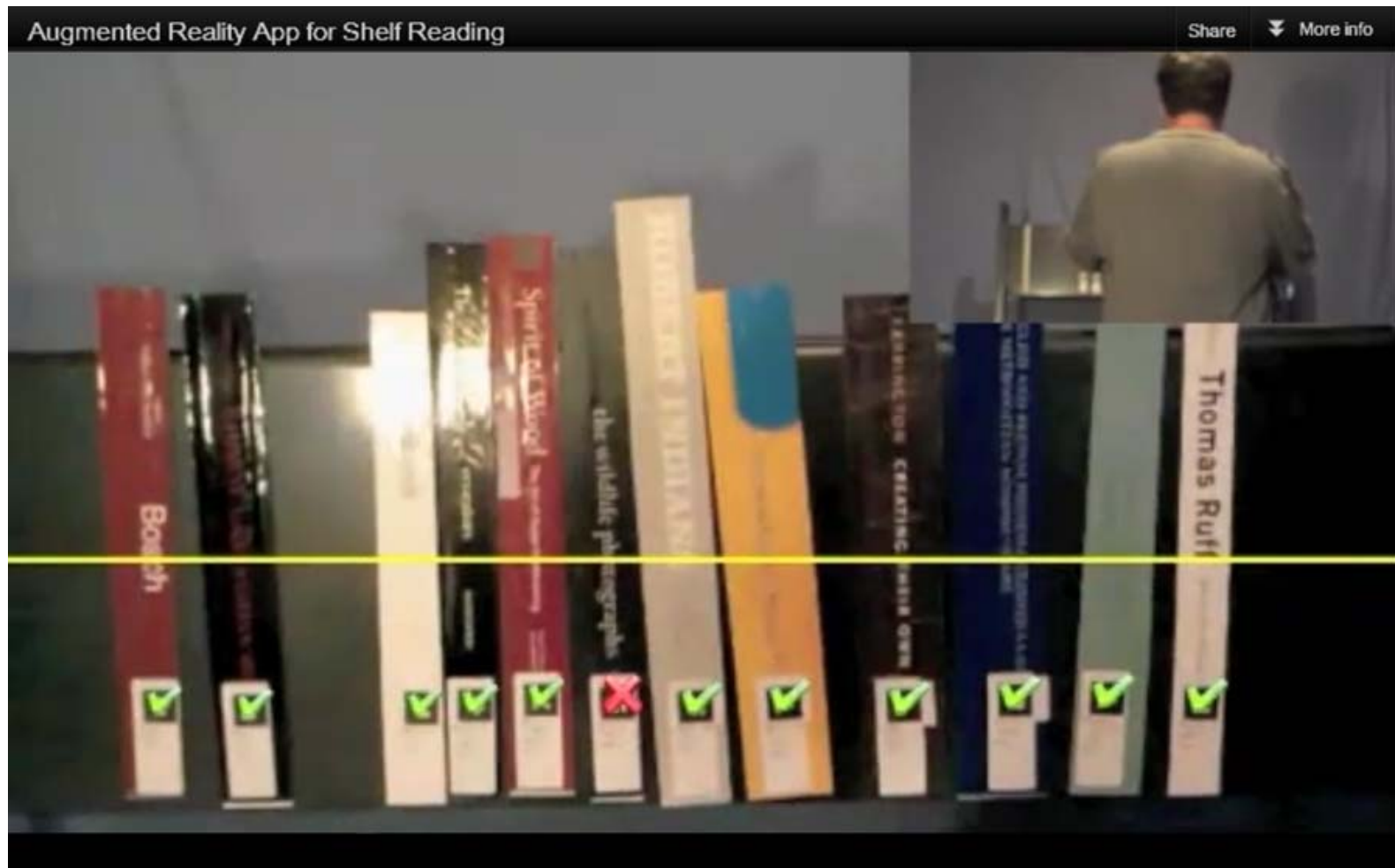
<http://goo.gl/X30Yw>

# Frictionless Access



Image Sources: <http://goo.gl/ChbPQ>, <http://goo.gl/vVc4Z>, <http://goo.gl/ySq0n>

# Library Apps



Shelvar: created by Bo Brinkman,  
Associate Professor of Computer Science and Software Engineering at Miami University, in Ohio  
<http://goo.gl/Yga6T>

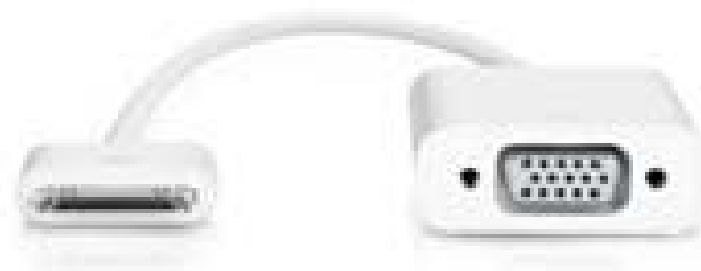
## Pocket Projectors



<http://goo.gl/2nXaq>

## Displaying Mobile

Cables



### Apps and Wireless Boxes



## Future of Television



Image Source: <http://goo.gl/XhH12>



Image Source: <http://goo.gl/8tX24>

- 3D
- 3D TV (No Glasses)
- Holographic TV



Image Source: <http://goo.gl/HpBx8>

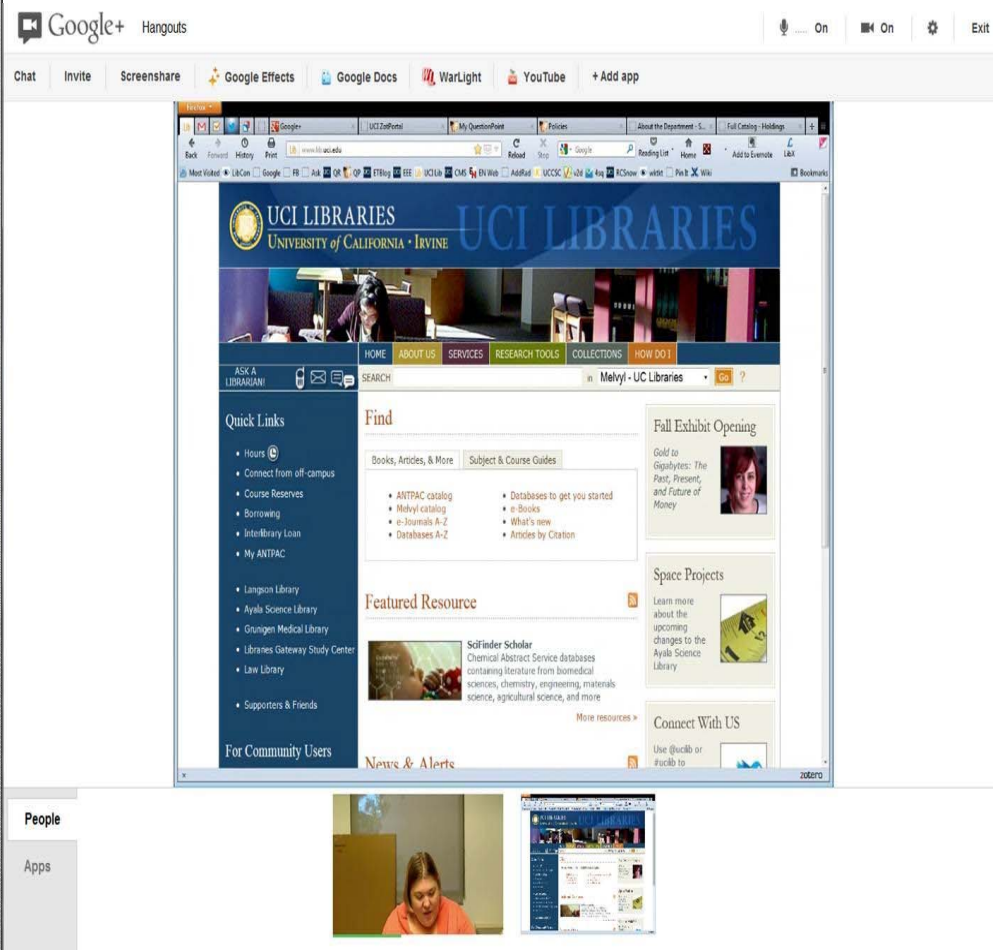


# Interactive Wallpaper



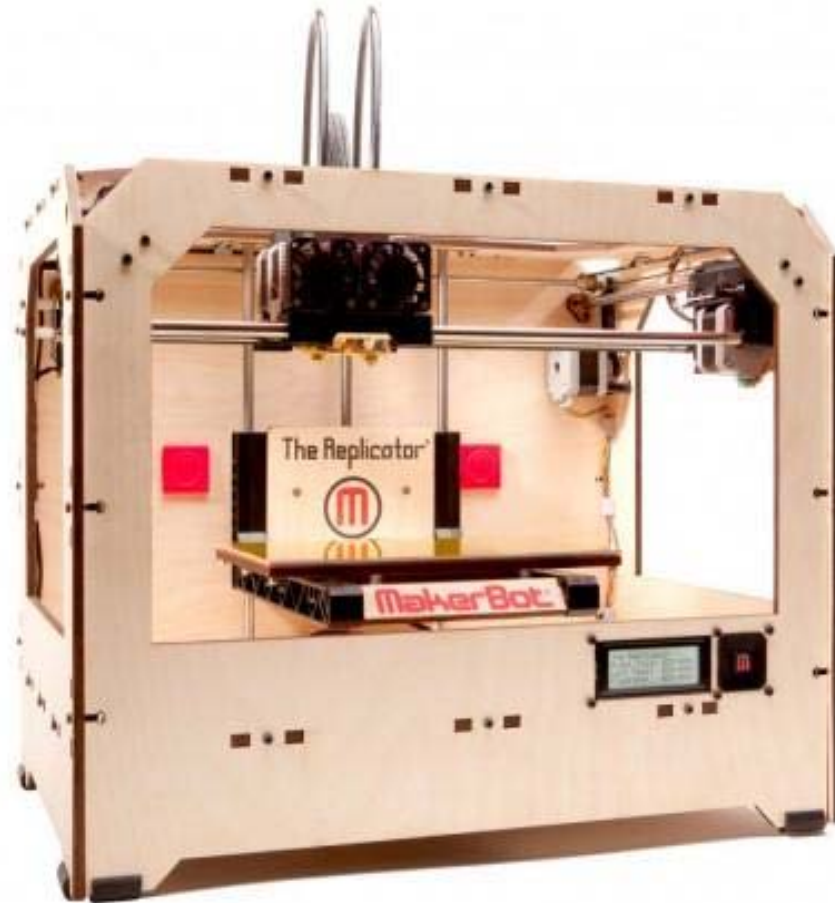
<http://goo.gl/toaxQ>

# Screen Sharing



- Google+ hangouts
- Join.me
- Screenleap
- and many more...

# 3D Printing



<http://www.makerbot.com/>

# in Education



<http://goo.gl/ZPgFH>

# in Libraries



<http://goo.gl/iXv75>

# Self Service



Media Box / Image Source: <http://goo.gl/IKWi>



Mediasurfer / Image Source: <http://goo.gl/20wIH>



Image Source: <http://goo.gl/xaAyF>

# Gesture Control

- The Leap



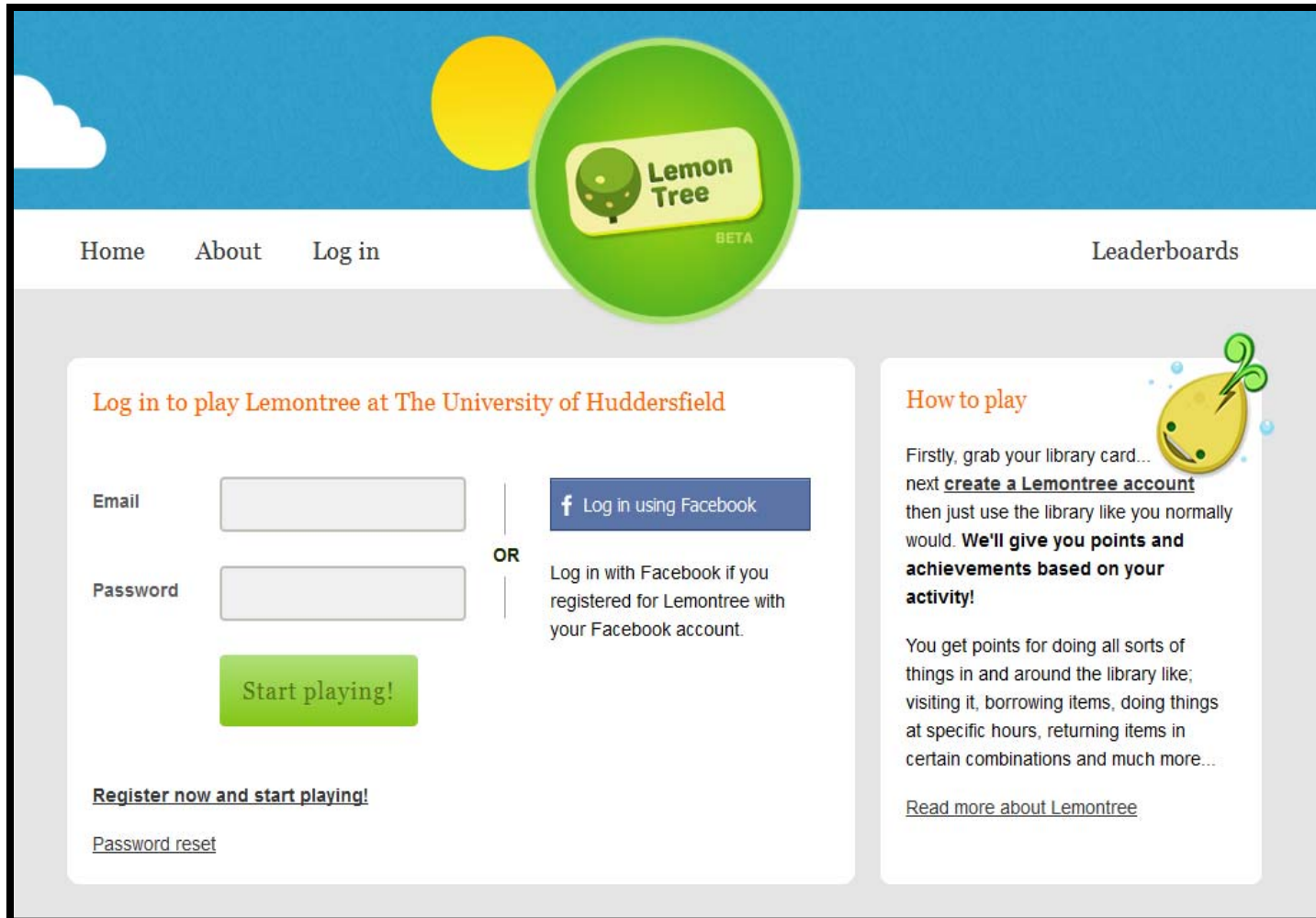
# Gamification



Image Source: <http://goo.gl/U7yKv>



# Gamification



Home About Log in Leaderboards

## Log in to play Lemontree at The University of Huddersfield

Email

Password

[Start playing!](#)

[Register now and start playing!](#)

[Password reset](#)

OR

[Log in using Facebook](#)

Log in with Facebook if you registered for Lemontree with your Facebook account.

## How to play

Firstly, grab your library card... next **create a Lemontree account** then just use the library like you normally would. **We'll give you points and achievements based on your activity!**

You get points for doing all sorts of things in and around the library like; visiting it, borrowing items, doing things at specific hours, returning items in certain combinations and much more...

[Read more about Lemontree](#)

Image Source: <http://goo.gl/QjIUk>

# Google Glass



<http://goo.gl/AeaHF>

# Social Networking



Image Source: <http://www.academia.edu/>

**ResearchGate**

Email  Password

Keep me logged in [Forgot your password?](#)

**For Scientists.**  
Your reputation. Your terms.

Over 2.0 million have already joined ResearchGate

5M 10M Publications

Membership breakdown by discipline

The chart is a sunburst chart showing membership breakdown by discipline. The inner ring is divided into segments of various colors (red, orange, yellow, green, blue, purple, grey). The outer ring shows the cumulative membership for each discipline, with the largest segments being orange and green. A scale on the right indicates 5M and 10M publications.

Image Source: <http://www.researchgate.net/>

# Social Networking

The screenshot shows the Lore LMS interface for a course titled "SPACE101 | West Point | Instructor: Buzz Aldrin". The main header area is teal and contains the text "All of your teaching tools in one place." Below this, there are five distinct sections: "Community" (with a speech bubble icon and the text "Lore is an extension of your classroom."), "Calendar" (with a calendar icon showing the number 27 and the text "Post events and manage your class calendar."), "Library" (with a book icon and the text "Collect all your class resources in one place."), "Grades" (with a spiral notebook and pencil icon and the text "The simplest and easiest way to manage grades."), and "Get Started" (with a red play button icon and the text "Set up in minutes, for free."). A left sidebar contains navigation icons for "LORE", "SPAC 101", a profile picture, a shield, a question mark, and a plus sign, along with labels for "COURSES", "GROUPS", and "ART DESI". A "CHATS" icon is visible in the top right corner.

Image Source: <http://lore.com/>

## Washable Keyboard



<http://goo.gl/YIKpR>

# Mobile Apps / Sites

**UCI LIBRARIES**  
UNIVERSITY of CALIFORNIA • IRVINE

Libraries » Subject and Course Guides » Mobile Optimized @ UCI Admin Sign In  
\* UC Irvine access only

Mobile Optimized @ UCI Tags: mobile  
\* indicates UCI authentication required

Last Updated: Oct 4, 2012 | URL: <http://libguides.lib.uci.edu/MobileOptimized> | [Print Guide](#) | [RSS Updates](#) | [SHARE](#) [f](#) [t](#) [e](#)

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**Open Access** [Comments\(0\)](#) [Print Page](#) Search:  This Guide

### Open Access Mobile Optimized Databases

- [Google Book Search](#)  
Access literature's greatest works right from your mobile: 1.5 million plus public domain books available full text - Search by title, author, or subject.
- [Google Mobile](#)  
Search for anything, anywhere.
- [USA.gov Mobile](#)  
Mobile-friendly version of the federal government portal, USA.gov. Users can search for government web content, images, news, FAQs and toll-free numbers; Direct links to mobile-friendly web content found across the federal government.
- [WorldCat Mobile Web](#)  
This Beta release of the WorldCat Mobile Web application is optimized for iOS and Android. Later releases will support a wider range of mobile devices

[Comments \(0\)](#)

### Open Access Mobile Database Apps

<http://libguides.lib.uci.edu/MobileOptimized>

# Mobile Apps / Sites

Record: [Pr](#)

**Title** **Academic search complete [electronic resource]**  
**Published** Ipswich, MA : EBSCO Pub

## Connect to

Restricted to UC campuses

Mobile access. Restricted to UC campuses

**Permanent link to this ANTPAC record** <http://antpac.lib.uci.edu:80/record=b3797950~S10>

**Vols/date** Began in 2007?

**Subject - LCSH** Periodicals -- Indexes

Periodicals -- Abstracts

**Other author** EBSCO Publishing (Firm)

**Title** Also known as: EBSCOhost academic search complete

Title in HTML header: EBSCOhost

ASC

**Other title** CDL licensed databases. EBSCOhost

CDL licensed databases. Mobile optimized resources

Mobile optimized resource

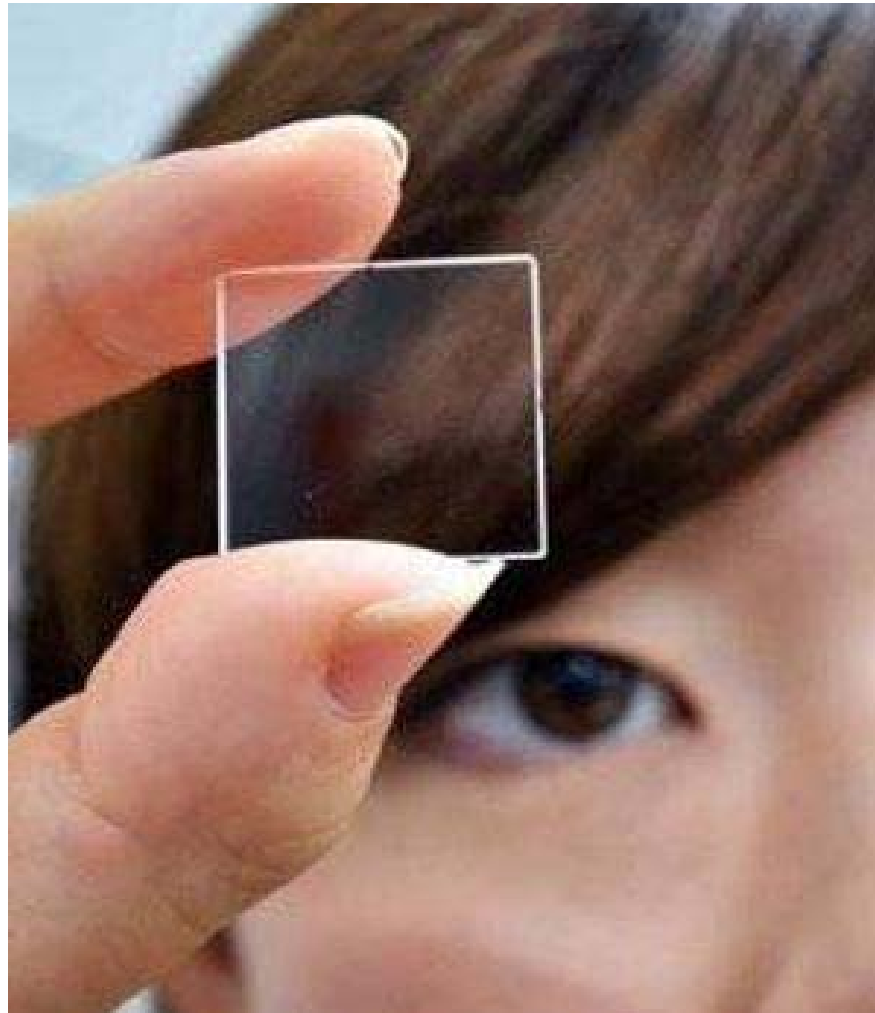
**Note(s)** Title from database information screen (viewed Apr. 20, 2007)

**Summary** A scholarly, multidisciplinary database providing indexing and abstracts for over 10,000 publications, including 5,500 journals, including more than 4,600 peer-reviewed journals. Offers coverage of many areas of academic chemistry, civil engineering, electrical engineering, ethnic & multicultural studies, food **science** & technology, pharmaceutical sciences, physics, psychology, religion & theology, veterinary **science**, women's studies, and text titles in native (searchable) PDF format. Searchable cited references are provided for 1,000 journals

**Note(s)** Mode of access: World Wide Web

**Local lc call number** AI3

## Future Storage



<http://goo.gl/olkjY>



# Curation Services



Image source: <http://goo.gl/XI9tT>

# NFC



<http://goo.gl/JKaaz>

# Platform Wars



Image Source: <http://goo.gl/oEXSf>

# Thanks/ Questions?

## Contact Us!

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Facebook: <http://goo.gl/FpHB5>  
Google+: <http://goo.gl/DEh8n>

**Jeff Schneidewind**  
[jhschnei@uci.edu](mailto:jhschnei@uci.edu)

Facebook: <http://goo.gl/rP5BB>  
Google+: <http://goo.gl/uGG0p>

## Guides

### eBook Collections

by Danielle Kane, Sheila Smyth - Last Updated Sep 6, 2012

### eBook Reading Devices

by Danielle Kane - Last Updated Jul 24, 2012

Your source for ebook & ereader information and resources

Tags: apps, devices, ebooks, emerging\_technologies

### Emerging Technologies

by Danielle Kane, Jeff Schneidewind - Last Updated Sep 25, 2012

This guide will help you to become familiar with new and emerging web trends. Including social software, websites, and tools for managing content.

Tags: apps, emerging\_technologies, social\_media, tools

### Mobile Phones & Apps

by Jeff Schneidewind, Danielle Kane - Last Updated Sep 4, 2012

Tools and tips to help you maximize your feature or smartphone's potential for research and learning.

### QR Codes

by Danielle Kane, Jeff Schneidewind - Last Updated Sep 12, 2012

Learn what they are, how they work, how you can create your own, and where to find them in the library!

### Research Consultation Service (RCS) - Online

by Linda Murphy, Danielle Kane, Annette Buckley, Jeff Schneidewind - Last Updated Sep 20, 2012

Tags: google+, google+ hangouts, join.me, online rcs, screen sharing

### Streaming Media

by Danielle Kane - Last Updated Jul 20, 2012

### Visual Literacy

by Cynthia Johnson, Jeff Schneidewind, Steve Clancy, Becky Imamoto - Last Updated Sep 28, 2012

Provides information on citing images, copyright, presentation best practices, design guidelines, and more

Tags: copyright, data visualization, design, graphic evidence, image, image management, presentations, public domain, visual literacy

<http://libguides.lib.uci.edu/browse.php>