Digital Bulletin Boards

Helen B. Josephine
Terman Engineering Library
October 2014
Stanford University

2,043 Faculty
7 Schools
6,900 Undergrads
8,800 Grads
22 Nobel laureates
5:1 student ratio

stanford.edu
Stanford School of Engineering

251 Faculty
9 Departments
1,000 Undergrads
4,000 Grads

engineering.stanford.edu
Terman Engineering Library

Staff
4 Librarians
1 Technology Manager
2 FTE Library Assistants
72 hours student workers/week

Collection
10,500 items on the shelf
100,000+ ebooks
12,000+ ejournals

Space
One floor, 600sq ft
15 study tables
10 study carrels
Balcony with tables and chairs
8 dual boot Mac workstations
4 public kiosks

englib.stanford.edu
Our Needs in 2010

Provide visual information to library patrons

Fewer paper signs and handouts

Easy content-creation and design

Simple administration

Make use of existing digital content
Basic information

Welcome to Terman Engineering Library

Fall Hours
Monday – Thursday : 9am – 10pm
Friday : 9am – 6pm
Saturday : 9am – 5pm
Sunday : 2pm – 10pm
Three panels

Terman Engineering Library

Upcoming Events:

Stanford Amateur Radio Club
Second Tuesday each month
7:30 PM
Packard Bldg, Room 202
Everyone Welcome!

More info:
http://www-w6xy.stanford.edu

Winter Hours
MON 9am - 10pm  TUE 9am - 10pm  WED 9am - 10pm  THU 9am - 10pm  FRI 9am - 6pm  SAT 9am - 5pm  SUN 2pm - 10pm

STANFORD UNIVERSITY LIBRARIES
Three panels plus RSS feed of new books

Terman Engineering Library

Upcoming Events

Come in and use the Bloomberg Terminal

New Library Content at Terman

By: info@morganclaypool.com
There are no new items in your feed

Permanent change : plastics in architecture and engineering / Michael Bell and Craig Buckley, editors.
Date: 10/14/2014 6:30 PM
Publisher:
Subjects: Plastics in building

Date: 10/14/2014 6:30 PM
Publisher:
Subjects: Construction industry Research, Research, Industrial

Digital Integrated Circuit Design Using Verilog and SystemVerilog
Date: 10/14/2014 5:00 PM

For a list of these events: http://bit.ly/event_feed

Intersession Hours

MON 9am - 5pm  TUE 9am - 5pm  WED 9am - 5pm  THU 9am - 5pm  FRI 9am - 5pm  SAT Closed  SUN Closed

STANFORD UNIVERSITY LIBRARIES
Three panels, plus RSS feed of new books and updated design
First installation--2010

Exhibio (X-Series) Digital Signage Server
What did we learn?

• Expensive
• Labor-intensive- no ability to schedule or automate content
• Design expertise required
• Limited options- one server, one screen
• Exhibio ended upgrade support (2014)
What did we want?

• Share content across screens
• Easy to upload, web-based interface
• Schedule slides and content
• Multiple formats: .ppt, .jpeg
• Multiple windows
• Interactive content
• Touch screen capabilities
Hi,

We are a Stanford lab that has developed technology for community-building, entertainment, and peer learning that we believe the library may be interested in using. The technology runs on a large TV screen. Visitors to the library could then interact with the TV screen through their phones to vote on their favorite book, use their phone to put a pin on a virtual map of where they are from, or look for study partners.

This project would involve the library providing us with a TV screen, and then we would attach our small device to allow the screen to receive messages from phones.

Please let us know if you are interested, or would like to learn more!

Best,
Michael
Mobisocial is the Stanford mobile and social computing research group in the Computer Science Department

What questions are they exploring?

• What does the future hold when we have billions of users with personal smart phones? Like the PCs automating the office, smart phones will transform our social life. The Stanford MobiSocial Computing Laboratory focuses on creating novel user experience, system architecture, infrastructure design, development frameworks, and security protocols for the programmable open mobile internet (POMI) by year 2020.
Interactive digital signage system that bridges mobile devices and digital signs
SolidWorks 2014-15

Here now! Borrow the CD or thumbdrive
4 hour loan period

Samsung Chromebooks Now Available at the Engineering Library!
Inquire at the front desk

BuildingGreen Suite
- Green product listings, updated weekly
- High Performance building case studies
- Credits-by-credit detail on the LEED Rating System
- Environmental Building News

www.BuildingGreen.com
Scheduled information

Around campus with Stanford Engineering

Welcome to Terman Engineering Library

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- Environmental Building News

www.BuildingGreen.com

Oct 17th
4:16 pm
Full hours

9a 10p
9a 10p
9a 10p
9a 10p
9a 10p
9a 9a
9a 9a
9a 2p

Stanford University Libraries
Library created content

welcome to
TERMAN ENGINEERING LIBRARY

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www.BuildingGreen.com

Oct 17th
4:16 pm
Fall hours

STANFORD UNIVERSITY LIBRARIES
Interactive board

Spin & Dine!

Don't know where to eat?

Text "food" to 650-290-7798 spin the wheel!
What books interest you? Vote by touch!
Text a message, quote, note

Text a message to 650-262-5668 to put it on the board.
Information Board at Green Library

**welcome to GREEN LIBRARY**

**Testing the Boundaries: Wendingen 1918-1932**

**Art & Architecture Library Exhibition**

**Come see the Anderson Photograph Collection of YWCA in China**

Miss Elsie Anderson spent seventeen years in China as a Secretary for Young Women's Christian Association (YWCA) 中華基督教女青年會 between 1920s-1940s. The collection includes more than 2900 photos, one diary and some slides and postcards.

Special Collections & University Archives • 2nd Floor, Green Library

**Apple Computer collections**

These pages describe and provide access to collections related to the history of the Apple Computer.

**Thursday Oct 23rd 10:41 am**

STANFORD UNIVERSITY LIBRARIES
Stanford Libraries
@StanfordLibs

RT @Monk_of_Bury: (All this was when Joshua ruled in Israel) #FoP @MedievalMss W.805 f.124v via @StanfordLibs
http://t.co/YV3kUQZ4Dp

Stanford Libraries
@StanfordLibs
Is there a need for digital archivists?: While reading Sybil Schaefer's interview "We're All Digital Archivist... http://t.co/FdVHLHUC7IK

Stanford Libraries
@StanfordLibs
25 yrs since #LomaPrieta. Where were you? Share your story. Pics from @StanfordLibs damage https://t.co/ohOGdbOL6d http://t.co/oisUg1vXgn

Follow us on Twitter-- @StanfordLibs
WHERE ARE YOU FROM?

TEXT "LINK" TO 650-262-5668 TO MAKE YOUR MARK!

STANFORD UNIVERSITY LIBRARIES
# Administrative Dashboard

**Dashboard for Terman Library**

- reboot
- add app
- schedule
- Filter SMS

## Terman Eng Ing Loop 2

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What is different about oalla?

• Interactive (SMS and touch)
• Leverage social media for content and interaction with library
• Built-in apps and custom apps (depending on skill level)
• Location-based
• Continuing to evolve
Oalla

- A $100 Android Stick (or equivalent), preloaded with applications.
- Any HD monitor, including touch screens.
- Applications from oalla.com designed for HD displays.
- Standard web and SMS technologies for mobile devices.
Oalla
Library Collaboration

- Custom signage developed with input
- Modern tools and look
- Meaningful contribution to Stanford research
- Networking opportunities with other units on campus
- Development opportunities for staff
- Library-specific app development (with training)
- Long term beta, constant tinkering and input on new applications.
Touchscreen applications
Society of Women Engineers

SWE sponsors programs on women’s issues in engineering and works to encourage K-12 girls to have an interest in engineering and science.

Pres-Shaheen Jeeawoody; Treasurer-Ellen Frey;

- Networking and Social Events
- Industry Speaker Lunches
- TSA Team Competition
- Girls Engineering the Future
MobiSocial Collaboration

- Reached out to Engineering Library
- Discovered shared interests and additional development partners
- Built custom interactive apps
- Monitored usage
- Library began to create apps and suggest new opportunities
Next Steps

• Share content across screens and departments—both internal and external to the library
• Implement additional interactive digital signage boards
• iBeacon technology
• System stability
Questions?

• Michael Fischer
  – [http://oalla.com](http://oalla.com)
  – [mfischer@cs.stanford.edu](mailto:mfischer@cs.stanford.edu)

• Michael Nack
  – [mnack@stanford.edu](mailto:mnack@stanford.edu)

• Ronnie Fields
  – [rfields@stanford.edu](mailto:rfields@stanford.edu)
Demo
Thank You!