ITS ORGANIZATION

NISS
Network Infrastructure Systems and Services
Mr. Doug Burke (21 FTE)

LWS
Library and Web Services
Mr. Michael O’Brian (9 FTE)

ATS
Academic Technology Services
Ms. Shahra Meshkaty (35 FTE)

ERPT
Enterprise Resource Planning Technology
Mr. Avi Badwal (30 FTE)

Services and Support for USD Community

Information Technology Services
99 FTE (staff & consultants), $16.2 M Budget
Moore’s Law:
Computational Capacity Doubles Every Two Years

The exponential growth of computing on a Logarithmic Plot

Calc./second for a $1000 laptop vs. Time

Peter H. Diamandis, PhD, Ellucian Live 2014 keynote address, Anaheim, CA, April 7, 2014
IPv6 allows for approximately $3.4 \times 10^{38}$ Internet addresses (or 340 Trillion – Trillion – Trillion IP addresses)…IPv4 430 Billion IP Addresses

The Internet of Everything – Everything Connected

- **Oakley Google Goggles** and Google Glasses
- Google Driverless Car
- *Audi Smart Car*

- Wearable Technology: FitBit wrist band, Pebble Smartwatch and Nike FuelBand.

- Infant Monitoring Patch (for all vital signs)
- MIT Thermometric Band to remotely change body temperature
- Smart Home and Smart Appliances
ITS – 2014 “Mobile First” Initiative

- Greater than 3 mobile devices per student
- 80% of College Millennials own a Smart Phone (never plug into network)
- USD’s Next Generation Wi-Fi $4.25 Million campus overlay 802.11ac
- Campus-wide Cellular Distributed Antenna System (Verizon & AT&T)
- Continual augmentation of USD Internet Bandwidth
- Phase out of Cable TV
- iPad Mobility in the classroom
- All websites have responsive designs
- All applications development will focus on Mobile First.
- Rollout many more mobile services and applications: event check-in, gaming and gamification, geospatial tracking, etc.

Centralized Account Management (CAM)

Wireless cabling project – 4/14-8/15

Main Campus

Residence Halls

Wireless technology refresh 802.11ac

Distributed Antenna System (DAS) – completion summer/fall 2015

Firewall replacement

Internet upgrade
**ITS – Network Infrastructure Systems and Services (NISS), Major Projects (recently completed or in progress)**

- Unified Messaging – voice mail to email
- New wing of the School of Nursing
- New Bookstore
- Mail Center move
- Assorted Renovations
ITS – Library and Web Services (LWS), Major Projects (recently completed or in progress)

Our goal: All USD websites responsive by 12/2015

- **School of Peace** – April 2014

- **School of Engineering** – August 2014

- **USD and College of Arts and Sciences** – Kickoff May 2014; Launching December 2015
CMS Cascade Server Update

- Transitions to Cascade: 50% complete
- Launches: averaging 10 sites per month
- Trainings: 1-2 sessions per month
- Maintainers: 116 people trained in Cascade
- Full transition list on: http://www.sandiego.edu/redesign/
USD Sites (WordPress)

- Count: 139 sites and growing daily
- Developing more USD themes (late 2014)
- Developing basic training class (late 2014)

For more information: http://sites.sandiego.edu
Recent Web Services Initiatives

• Campus Map Redesign: [http://www.sandiego.edu/maps](http://www.sandiego.edu/maps)

• Emergency Alert Notifications: on redesigned sites

• Commencement Streaming:
  Law – May 17, 2014
  Graduate/Undergraduate – May 24-25, 2014
ITS – Library and Web Services (LWS), Major Projects (recently completed or in progress)

Ares: Automating Reserves

• Kickoff Meeting: May 2014

• Launch: September 2014
Ares: Automating Reserves

- Mobile access
- MySandiego authentication
- Blackboard and Banner integration
- List your electronic and physical reserves
- Expedited request-processing
- Copyright control
- Custom reporting for statistical tracking
Encore Duet – Partnership with EBSCO

- Mobile access
- Pre-indexed articles in catalog
- Quick access to full-text articles
- Partners with many non-EBSCO content providers
- Faceting
ITS – Library and Web Services (LWS), Major Projects (recently completed or in progress)

Search: skyscrapers new york city

Did you mean: ap alert new york city?

CatalogPlus

Catalog

Results 1 - 25 of 3800 for skyscrapers new york city

Sorted by Relevance | Date

Skyscraper: the politics and power of building New York City in the twentieth century [by] Benjamin Flowers
Merkel, Jayne

Published in 2000. more

Additional actions:

Format

PDF

Full Text

Available formats:

PDF

Check for full-text

Additional actions:

Location

Copley Library (11)

Search Found In

Title (3)

Availability

At The Library

Online

Collection

USD Digital Archives (4)

Electronic Publications (3)

Books (6)

Movies & Images (1)
ITS – Library and Web Services (LWS), Major Projects (recently completed or in progress)

Library APIs and Data Transfer

- Oracle HR/Banner – automate account loads
- Student Accounts – automate fines transfer
- Oracle iProcurement – automate purchases transfer
Recently Completed and Ongoing Projects
Event and Academic Scheduling Software
• Easy Room Reservations
• Look Up Availability (Self Service)
• Automated Work Orders Generated with Facilities Management
• https://reservations.sandiego.edu/virtualems/

Upgrade of the Degree Audit (DARS) to U.Achieve
• Next Generation - enhanced security and performance
• SSO from portal
• 9 digit ID – in progress
ITS – Enterprise Resource Planning Technology (ERPT), Major Projects (recently completed or in progress)

MySanDiego Upgrade
  • Visualization of Data
    ![Credit Gauge BETA](image)
    ![GPA Line Chart BETA](image)
  • New Style and Design
Mobile Applications
- New Mobile Website (www.sandiego.edu/mobile)
- Push Notifications/App Messaging
- iBeacon

Current Mobile Apps
- MySDMobile
- USDLaw
- Future Torero
- Torero Spirit
- USD Check-In

Upcoming Mobile Apps
- MySanDiego
- Events
- News
ITS – Enterprise Resource Planning Technology (ERPT), Major Projects (recently completed or in progress)

Constituent Relationship Management

Diagram:
- CRM
- EMAIL
- E-Form
- Call Log
- Survey
- Events
- Chat
- Workflow
ITS – Academic Technology Services (ATS ongoing support of teaching and learning...)

- **Faculty Development** Luncheons, Workshops, Events and Outreach:
  - 9th Annual Technology Showcase 2014
  - Bootcamp, Bb and Bagel, High Tea IT, Learn @ Lunch,
    - Hot Topics! Flipped Classroom, Blended Model and Active Classroom
  - Trainings workshops (126 workshops, 356 Registrants)
  - Creative Collaboration and Nursing 400 posters
  - Blackboard– students/faculty/courses (S6703, F481, C881)

- iPad Classroom Project: 40 Projects (8@SP14) - ebooks, examsoft, Apps and media
- Student Technology Assistants: 91 semester long projects (7@ SP14)
- Help Desk Support Requests – Faster service
- Classroom Technology: Help!
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<th>Blackboard 9 Spring 2013</th>
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<th>Blackboard 9 Spring 2014</th>
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<td>6093</td>
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<td>46%</td>
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<td>852</td>
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<td>786</td>
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ITEAM: 400 faculty support ticket, 75 visitors to drop in center, and 37 new faculty for BB training, 90 Bb Orgs.
ITS – Academic Technology Services

ATS Active Projects and Initiatives in progress...

- Ensemble - Video Management platform
- iTunesU - University of San Diego
- PowerSave – Green Initiative >> Faronics and SDG&E Rebate
- FourWinds Interactive – Digital Signage
- USD MathPlacement Exam - rewritten in PHP
  - PERL in 2004 to PHP in 2014
- Apple TV in iPad Project Classrooms
  - New iPad Lease/Rent Agreement
  - iPad MDM Solution
- Mobile Print on the Go!
  - 2 Methods- Emailing a file to the system or upload to web interface
- CrashPlan – Cloud Backups
Summer Innovation Institute (SII) 2014 x2
Maverick - Mac OS X 10.9 Upgrade
Microsoft Office Upgrade to Office 2013
Sunset of Windows XP
Laptop Encryption (testing phase)
File sharing/storage option for students (looking into)
   A Dropbox or Box.com system that we could setup on campus & offer to students or faculty.
ITS – Thank You!

• Summary of current ITS projects and PowerPoint slide deck:  
  http://www.sandiego.edu/its/about/irc/

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