ACM Information Systems

SIG Leader Orientation

Monday, September 30, 2013
**ACM Information Systems**

### Headquarters Staff

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**24 x 7 Monitoring & Support**
# ACM Information Systems

## Headquarters Staff

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</table>
ACM Information Systems

Data Center

(Cervalis Premium Data Center)

- 24x7x365 staffed facility
- Managed Firewall
- Network / System Monitoring
- Fully redundant environment
- Managed Hosting and Co-location Services
Monitoring
Performance and Availability Monitoring (AlertSite)

- 24x7 monitoring
- 11 monitoring locations
- Site availability
- Transaction throughput
- Threshold notification
- Web-based reporting
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Systems Support, Development, and Services

- Headquarters Business Systems
  - LAN and Desktop Support
  - Membership, Subscription System
  - Financial System

- Online Services
  - TIP Service
  - Membership Authorization
  - Financial Management Reporting
  - Website Statistics (Scholarly IQ)
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Statistical Reporting – *Scholarly IQ*

- ACM Digital Library
  - DL/Publication reporting
    - COUNTER compliant
  - Overall website reporting
    - Web-based reporting tool
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Systems Support, Development, and Services

- Online Systems
  - ACM/SIG Join and Renewal Forms
  - MSF SIG Membership Query Interface
  - SIG/Conference Management System
  - Request for Proposal
  - Corporate Sponsors
  - Expense Reimbursement
  - Rights Management
  - Viability Reports
  - Reach Reports
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Systems Support, Development, and Services

- Online Systems (cont’d)
  - Conference Calendar
  - Mailing Labels
  - Call for Papers Calendar
  - Chapters Administrative Interface
  - Local Activities Calendar
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Systems Support, Development, and Services

- Online Services
  - Domain Name Service (DNS)
  - Centralized Domain Registration
  - Search Engine (Google Search Appliance)
  - E-Mail Forwarding
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Email Forwarding

- Permanent Email Address
  - yourname@acm.org
  - Point your forwarding address to your current email address.

450,000+
deliveries / day
Spam and Virus Filtering – Google Message Security

- Member configurable Spam and Virus filtering
  - Service levels:
    - Tag-and-forward
    - Quarantine
  - Quarantine spam, delete virus mail
- Filters can be turned on or off individually
- Members can be notified of quarantined messages

900,000+ spam/virus messages blocked/day
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Systems Support, Development, and Services

- Online Services (cont’d)
- Web Hosting

- blogs, wikis, forums, social networking applications...
- control panel interface
- Softaculous auto installs

CMS: Drupal & Joomla
eCommerce: Magento, osCommerce & Zen Cart
Blogs: WordPress, Movable Type & Textpattern
Social Networking: Elgg & Dolphin
Forums: phpBB & SMF
Wiki: MediaWiki & TikiWiki
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Web Hosting

- Virtual Hosting (signame.org)
  - http://www.acm.org/signame
    redirects to
  - http://www.signame.org
  e.g., http://www.acm.org/sigmod redirects to
  - http://www.sigmod.org
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Systems Support, Development, and Services

Google Apps for Education

- Gmail, Calendar, Docs, Drive, Groups, Sites, Google+, Hangouts, etc.
- Secure collaboration and sharing
- Runs under “acm.org” domain
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ACM Web Sites, Web Services

- ACM Web Site
- Learning Center, Webinar Program, Awards
- myACM
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myACM

- Centralized information management
- Discovery of benefits and functionality
- Single Login
- Integration with other ACM online systems
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Web Services

- Member Authentication
  - ACM Web Account
  - ACM DL Session Integration
  - Personalized Information

- Data feeds (XML, JSON)
  - real-time content
  - SIG Chapters
  - Calendar of Events
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Mailing Lists

- SIG Member Lists
  - Members are automatically placed on these lists and sent a welcome message. 
    signame-members@acm.org
  - e.g., sigmobile-members@acm.org

- TechNews
  - ACM, SIGCHI

- List Management
  - Open / Closed Lists
  - Announcement / Discussion Lists
  - Moderated / Edited / Private / Lists of Lists
  - Archived to a Web interface, many more features
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Mailing Lists – Chapters

- Chapter Members' Lists: 
  [chaptername-members@acm.org](mailto:chaptername-members@acm.org)
  e.g., [sigchi-spain-members@acm.org](mailto:sigchi-spain-members@acm.org)

- Chapter Officers' Lists: 
  [chaptername-officers@acm.org](mailto:chaptername-officers@acm.org)
  e.g., [sigchi-spain-officers@acm.org](mailto:sigchi-spain-officers@acm.org)

- Chapter Leaders' List: 
  [chapter-leaders@acm.org](mailto:chapter-leaders@acm.org)
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Digital Library

- Full text of every article published by ACM and bibliographic citations from major publishers in computing.
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Digital Library

- Aggregated Views
- Author
- Institutional
- SIG
- Conference
- Publication
- Customized
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Digital Library

- Value-added Services
- Guided Navigation
- Upcoming Conferences
- Binders
- Reviews
- Table of Contents Service
- Bibliometrics
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Digital Library

- Value-added Services
- Forward and Reverse references
- Exportable formats
- Links to online book sellers
- OpenURL/SFX Integration
- Federated search participation
- Athens/Shibboleth Identity
- Remote Access
- Author-Izer Links
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Digital Library

- Shortcut URLs
  - SIGs
    - e.g., http://dl.acm.org/sigmod

- Newsletters
  - e.g., http://dl.acm.org/sigmod/newsletter
  - http://dl.acm.org/sigmod/newsletter/current
  - http://dl.acm.org/sigmod/newsletter/archive

- Proceedings
  - e.g., http://dl.acm.org/proceedings/kdd
  - http://dl.acm.org/proceedings/kdd/current
  - http://dl.acm.org/proceedings/kdd/archive
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Digital Library

- API
  - RESTful Web Service
    - Expose the DL data model
    - Extend the model to include conference programs
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Digital Library

- App
  - Dogfooding
    - iPhone
    - Android Phone
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Digital Library App

User Interface Screenshots:
- Login screen with fields for username and password, and options for Log In, Forgot Password, and Register.
- Register screen with fields for Name, Email, Password, and options for Create Account.
- Screen displaying a list of upcoming conferences with dates and locations.
- Screen with tabs for Home, Browse, Conferences, My Sessions, and Edit Home Screen.
- Screen with an option to add ACM Publications.
- Screen showing a selection of options for adding ACM Publications.