



# STS SIGNAL

Science & Technology Section  
Association of College and Research Libraries

Volume 27, Number 1

Spring 2012

## ALA Annual Conference Schedule for STS

<u>Event</u>	<u>Date</u>	<u>Time</u>	<u>Program</u>	<u>Date</u>	<u>Time</u>
Council I	6/22	7:30—9:30 p.m.	"Taking Instruction to the Next Level: Creating Evaluations to Assess Student Learning Online"	6/23	8-10 a.m.
All Committee Meetings	6/23	10:30 a.m.—Noon	"NIH's Public Access Policy and the Library: Use, Development, and Ramifications"	6/23	1:30—3:30 p.m.
Conference Planning 2012	6/23	10:30—Noon	"The Role of Metadata Standards in Scientific Data Publishing, Part Two"	6/23	1:30—3:30 p.m.
Conference Planning 2013	6/23	4-5:30 p.m.	Federal Science Agency Update	6/23	4-5:30 p.m.
All Task Force Meetings	6/23	4-5:30 p.m.	"Changing Roles for Sci-Tech Liaison Librarians in Research, Outreach and Instruction"	6/24	10:30 a.m.—Noon
All STS Member Meeting & Breakfast	6/24	8—10 a.m.	STS Forum for Science & Technology Library Research: "Data Curation as a Form of Collaborative Research"	6/24	1:30—3:30 p.m.
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<b>Note:</b> Please check the conference program for the locations and any schedule changes.					

## Letter from the Chair

Happy Spring to all STS members!

There is so much to share with you about our Annual schedule in Anaheim - I hope that many of you will be able to join us, so I am going to cut right to the chase! The STS conference schedule reflects changes that I am excited to share with you. For starters, the New Member and All Member breakfasts will be combined on Sunday morning and will provide time to gather with librarians in your subject areas as well as eat good food, catch up with friends and (briefly) conduct our section business.

As part of the stellar programming you've come to expect from STS, the Hot Topics discussion group will present "Changing Roles for Sci-Tech Liaison Librarians in Research, Outreach & Instruction". We anticipate a lively discussion with thought provoking and useful information to take away. Reports from the STS Subject Librarians and Information Literacy Standards task forces are posted on the STS page on ALA Connect ([http://connect.ala.org/acrl\\_sts](http://connect.ala.org/acrl_sts)) to help you make the most of this session. The Assessment Committee has taken advantage of the newly open Saturday morning breakfast time slot to present "Taking Instruction to the Next Level" about creating evaluations to assess student learning online. The 2012 Program Planning Committee has assembled an expert panel of librarians and faculty to plunge into the topic of "Preparing Tomorrow's Science Professionals" on Monday morning.

These are just a few of the great events that our STS members are planning to share with you. Please see the preliminary program schedule in

this issue of the *Signal* as well as more detailed event descriptions that will be shared as Annual approaches. And please be sure to invite your non-STS colleagues to join us for any of our programs – your recommendation will help increase our impact and may recruit new members to our section. The more, the merrier....!

I look forward to seeing you in Anaheim! Safe travels to all!

Maribeth



Maribeth Slebodnik  
STS Chair

## Letter from the Vice-Chair/Chair-Elect

By the time you read this, the majority of the appointments to STS committees will have been made and accepted. However, if you are interested in serving STS, there are always opportunities available. Several committees could still accept an additional member, and new task forces and other short-term openings will undoubtedly occur over the next few months.

If you are new to STS, returning to STS, looking to become more involved, thinking about changing or expanding your role in STS, or just curious about STS activities, there are several avenues you can explore to learn more. The STS website (<http://www.ala.org/acrl/aboutacrl/directoryofleadership/sections/sts/stswebsite>) provides details on all the committees and discussion groups, as well as information on upcoming and past programs and Section events. Issues of the STS Signal, the biannual newsletter for STS, back to 1996, are archived on the site as well. Additionally, most STS committee meetings are open. Stop by on Saturday morning to talk with the co-chairs, current committee members, and others to see what projects are underway and what is being planned for the future. Much of the exciting work of the Section occurs at these meetings, and the enthusiasm and dedication of our members is contagious! STS Council, the governing body for the Section, is also an open meeting and guests are always welcome.

STS-L, the moderated discussion list of the Science and Technology Section, is another

excellent way to connect with and learn about fellow STS members. (<http://lists.ala.org/wws/info/sts-1>) Postings on STS-L will help you keep up with the news of the Section, learn about topics relevant to science & technology librarianship, network with STS members across North America, and rely on the collective expertise and experience of STS librarians when tackling challenging questions and issues!

STS remains strong because of our dedicated pool of volunteers who devote their time and energy to our committees, task forces and discussion groups. I am proud of what we accomplish and of the significant impact we have on the library community. Please join us in Anaheim and jump in!

I hope to see many of you in June, and I'm looking forward to working with all of you in the coming year.



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# **Co-Sponsored Programs at ALA Annual in Anaheim**

## **With the Research Program Committee of ACRL:**

TITLE: Data Curation as a Form of Collaborative Research

DATE: Sunday, June 24th, 1:30 - 3:30 pm.

Description: Data curation involves managing digital research data to facilitate access, dissemination, and preservation of information content and context. Librarians can engage with academic researchers in organizing, describing, and preserving research data from beginning to end of a project. This program examines data curation research opportunities for librarians, including the skills and knowledge needed for effective data curation; collaborative relationships between librarians and academic researchers; and approaches to data curation within the sciences, social sciences, and humanities.

Speakers:

Scott Brandt, Associate Dean for Research, Purdue University Nancy Y. McGovern, Digital Preservation Officer for ICPSR Harriett Green, English and Digital Librarian, UIUC

NOTE: More details about this program are available on [page 6](#).

## **With the Map and Geospatial Information Round Table (MAGIRT)**

TITLE: "The Nuts and Bolts of Map Scanning: Building Your Map Scanning Toolbox"

DATE: Sunday, June 24<sup>th</sup> from 1:30-3:30PM.

Our program will feature 3 speakers who will discuss the details unique to scanning maps, including project planning and costs, tools and equipment, scanning and metadata standards, access strategies, copyright issues and more. Our target audience includes anyone who has maps or map collections they want to digitize, but they don't know where to start.



## **IFLA REPRESENTATIVE SOUGHT**

STS has the privilege of nominating a science & technology representative to IFLA, the International Federation of Library Associations. This is a fantastic opportunity to be involved in international librarianship! The suggested deadline is May 7, 2012, for a term from 2013-2017. Please consider submitting your nomination. Details are at: <http://www.ala.org/acrl/resources/policies/chapter7#7.2.3> and the ALA International Relations Office page at: <http://www.ala.org/offices/iro/internationalrelations> and <http://www.ala.org/offices/iro/intassocorgconf/iflarepresentatives>, or talk to our current IFLA reps, Martin Kesselman and Maxine Schmidt.

# **STS Conference Program:**

## **“Preparing Tomorrow’s Science Professionals”**

### **June 25, 2012**

**Please join us at the STS Program at the Annual Conference in Anaheim: Monday, June 25, 8 – 11:30 am:**

**Program Title:** Preparing Tomorrow’s Science Professionals

**Description:** Our panel of speakers will focus on the issue of preparing today’s students to become tomorrow’s science professionals. The discussion will explore the challenges faculty face as they seek to educate emerging scientists, new outreach models for working with faculty on creating information and data literate researchers, and the ways librarians can work with science students to support their goals of becoming science professionals.

The panel presentation will be followed by a poster session and lunch.

**Speakers:**

**Dr. Bill Tomlinson**, Associate Professor, Informatics Department, UC Irvine

**Jim Clarke**, Engineering Librarian, Miami University, Ohio

**Jon Jeffryes**, Engineering Librarian, University of Minnesota

**Barbara MacAlpine**, Associate Professor and Science Librarian, Trinity University

**Dr. John Rossi**, Professor, Department of Molecular and Cellular Biology; Dean, Irell and Manella Graduate School of Biological Sciences, City of Hope

**Program Timeline:**

8:00 am: Welcome and Breakfast

8:20 am: Introductions

8:30 – 9:45 am: Panel Presentation

9:45 – 10:00 am: Coffee Break

10:00 – 11:00 am: Panel Presentation

11:00 am: Q & A and Closing

11:30 am: Poster Session and Reception

*Respectfully submitted by the STS 2012 Program Planning Committee: David J. Schmitt and Lindsay Johnston (Co-Chairs), Sheila M. Bonnard, Edward J. Eckel, Edward F. Lener, Ariel M. Neff, Katherine O’Clair*

# STS Forum for Science and Technology Library Research:

## ALA 2012 Annual Conference — Anaheim

### 1:30—3:30 p.m., June 24

#### Long Paper: A Game Theoretical Exploration of Open Data and Open Science

Authors: Robert Olendorf, Steve Koch

We present a game theoretical study of Open Data, showing how open data can be a benefit to researchers, and how the culture of research can be changed to facilitate the free exchange of data and ideas.

Making data open for others to use and reuse is becoming more common as well as encouraged by a number of funding agencies. The benefit to the research community at large is often cited as the rational. However, individual researchers are often reluctant to share their data, or if they do, not until well after they have created it. We use game theory, specifically the Prisoners' Dilemma to show that under the right circumstances, making data open can also directly benefit individual researchers more than if they kept their data closed. The Prisoners' Dilemma is a commonly used paradigm to model cooperative scenarios where there is a temptation to cheat. We show how we can change the culture of research to make openness more attractive and provide examples of successful strategies for sharing data as its created, and show how it benefitted the creator directly. We discuss best practices that arise from our theoretical work. We also describe scenarios from evolutionary biology that illustrate our ideas function under the harsh crucible of natural selection.

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#### Short Paper #1: Exploring the Viability of Google AdWords as an adjunct Discovery Layer for the Science and Engineering Library

Analysis of the discovery and usage of the Science and Engineering books available electronically to customers of the DeLaMare Science and Engineering Library is presented with the reveal of what may be an alarming disconnect between the Google-centric information-seeking behaviors and those with a catalog-centric approach to discovery within the library collection. Over a time span of one year, the library has been engaged in a “soft rollout” of the patron-driven purchase and delivery of e-books across disciplines supported by the libraries at the University of Nevada, Reno; “soft” in that the discovery is limited to serendipitous discovery in the catalog search, with no external announcement of the resource availability. Vendor reports of use were then manually parsed by title to identify the titles that would have been shelved in the Science and Engineering branch library if they were print titles: analysis of the majority of the titles is currently complete, with completion of the full year of 2011 anticipated to be complete for presentation at the ALA Annual meeting in Anaheim. Preliminary findings of a pilot implementation of a Google promotion of access to the branch library materials e-book titles by presentation of direct links to targeted materials directly in the context of their active Google search will be shared. This information has not been presented previously, or submitted to alternate venues for consideration as a presentation or for publication.

Tod Colegrove, Ph.D., MSLIS; Head of DeLaMare Science & Engineering Library, University of Nevada, Reno; Reno, Nevada 89557-0262

#### Short paper #2: *Title:* Positioning Librarians as Leaders in E-Science and Data Management on Campus

*Objective:* The National Science Foundation (NSF) now requires faculty researchers and scientists to submit a data management plan along with grant proposals. Further, the National Institutes of Health (NIH) enacted the Public Access Policy requiring peer-reviewed publications resulting from NIH funding to be submitted to PubMed Central. Yet, faculty perceptions of these federal policies remain relatively unexplored. The aim of this study was to ascertain faculty attitudes about these emerging scientific data management policies and to also identify roles for positioning librarians as leaders on campus in e-science, data curation, and data management efforts.

*Methods:* During the fall of 2011, faculty members receiving federal funding at a large urban academic institution were invited to participate in an anonymous online survey. The survey investigated faculty awareness and attitudes about data management practices, open access, depositing to institutional repositories, and self-archiving. Further, the survey elucidated faculty perceptions about challenges complying with such federal mandates. As these federal mandates present a unique and prime opportunity for science and technology librarians to communicate about issues of scholarly publishing, the results of this survey will be discussed with an emphasis on concrete actions librarians can take. Specific recommendations and opportunities for science and technology librarians to enhance their role in serving as leaders on campus in the emerging areas of e-science, data management, and data curation will be highlighted.

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# ALA & ACRL News



## ACRL 2013: Imagine, Innovate, Inspire

Join us at ACRL 2013 for the premier professional development event for academic and research librarians April 10-13, 2013, in Indianapolis.

**Registration opens May 2012:** Watch the [conference Website](#) for registration materials. Register by the early-bird deadline of February 22, 2013, and **save more than 20 percent** on conference registration. Special group registration prices, reduced airfares, hotel discounts, and scholarships are also available.

### **Celebrated line-up of keynote speakers**

Maria Hinojosa - The host of NPR's *Latino USA* and *Maria Hinojosa: One-on-One* has informed millions of Americans with her social and economic justice reporting. Join us for her keynote address, "*Storytelling and Resistance: The Art of Democracy.*"

Henry Rollins - Singer/Actor/Poet/Activist/Raconteur and one of the most thought provoking individuals of our time joins ACRL for a unique and engaging evening of spoken word.

### **What to expect**

- More than 300 carefully curated programs to help you stay at the forefront of your profession.
- Opportunities to network with more than 3,000 of your peers and colleagues, including the legendary All-Conference Reception.
- Exhibits from 200+ companies with products/services for academic and research libraries and librarians.

One year of free access to the ACRL 2013 Virtual Conference community, including 130+ slidecasts, webcasts, social media posts, discussions, and more.

### **Annual Conference Information Online**

Find updated program details and speaker information on the ACRL at Annual Conference Web page. Go to [www.acrl.org](http://www.acrl.org), select "Conferences & Continuing Education," and click on "ACRL @ ALA Annual Conference 2012" for the latest!

Locations for programs and meetings will be available on the ALA Web site approximately one month prior to the beginning of Annual Conference; look for the "Event Planner" link on the ALA Annual Conference Web site at [www.ala.org/annual](http://www.ala.org/annual). Fully registered attendees can create a personalized agenda and search for meeting, program, and event times and locations.

# About the Signal

## STS *SIGNAL*

We're on the Web!

[www.ala.org/acrl/sts](http://www.ala.org/acrl/sts)

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