

# SESSION NAME: WG LIBRARIES

Thursday, 23 August 2012  
8:30 – 10:00

## Title: “Scientists' Need for Libraries in the Age of the Internet” – Panel Discussion with Astronomers & Librarians

**Author(s):** Dr. Paul T.-P. Ho (Center for Astrophysics (CFA), 60 Garden Street, Cambridge, MA 02138 USA; ASIAA, 128 Section 2, Academia Road, Nankang, Taipei 115, Taiwan, R.O.C.), Christina Birdie (Indian Institute of Astrophysics, Koramangala, Bangalore, Karnataka 560034 India), Dr. Ray Norris (CSIRO Astronomy & Space Science, PO Box 76, Epping, NSW 1710, Australia), Eva Isaksson (Helsinki University Library, Kumpula Campus Library, P.O. Box 14 Gustav Hllstrmin katu 2, Helsinki 00014 Finland), Dr. Pieter Degroote (Instituut voor Sterrenkunde, Katholieke Universiteit Leuven, Celestijnenlaan 200 D, B-3001 Leuven, Belgium and Kavli Institute for Theoretical Physics, University of California, Kohn Hall, Santa Barbara, CA 93106, USA), Sally Bosken (US Naval Observatory, 3450 Massachusetts Ave NW, Washington, DC 20392 USA)

**Abstract:** The members of this six person panel discussion include astronomers from Australia, Taiwan and Belgium working for institutions at the forefront of research in astronomy, astrophysics and related physics. The three featured librarians come from India, Finland and the United States representing academic, government and institutional settings. Astronomers rely on librarians to get research materials and historical documents. In the current age of quick and easy communication and publication, there is an essential need for a homogeneous, qualitative and well-maintained repository of knowledge. The goal of this discussion is to focus on collaboration through partnerships between astronomers and librarians both virtually and in person to advance astronomical knowledge.

Thursday, 23 August 2012  
10:30 – 11:30

## Open Access Publishing in Astronomy

**Author(s):** Uta Grothkopf and Silvia Meakins (ESO Libraries, European Southern Observatory, Garching Karl-Schwarzschild-Str. 2 85748 Garching near Munich, Germany)

**Abstract:** Open Access (OA) in scholarly literature means the ‘immediate, free availability on the public internet, permitting any users to read, download, copy, distribute, print, search or link to the full text of these articles’. The Open Access movement has been made possible thanks to the wide-spread availability of internet access and has received increasing interest since the 1990s, mostly due to the fast rising journal subscription prices.

This presentation will review the current situation of Open Access in astronomy. It will answer the question why it makes sense to publish in an OA journal and will provide criteria to judge the quality of OA journals and publishers, along with suggestions how to identify so-called predatory publishers.

Lunch

**Thursday, 23 August 2012**

**13:00 – 14:00**

**Title: Astronomy in Hawaii: Telescopes, Research and Libraries**

**Author(s):** Ann Kathleen Robertson (Institute for Astronomy, University of Hawaii, 2680 Woodlawn Drive, Honolulu, Hawaii 96822 USA)

**Abstract:** Since early Polynesian way-finding combined observations of sky and ocean and allowed voyagers to locate and settle the far-flung islands of the Pacific, astronomy has impacted the islands of Hawaii. The Twentieth Century saw telescope development on both Haleakala on Maui and Mauna Kea on Hawaii Island. These complexes have developed libraries and information services to support and enhance their research. The University of Hawaii established the Institute for Astronomy (IfA). The IfA Library serves researchers and instrument developers at each of its three locations. Canada-France-Hawaii Telescope, the Joint Astronomy Center, the W. M. Keck Observatory, Gemini Northern Telescope and Subaru Telescope have each developed library services to respond to their unique needs. The librarians at these organizations have formed Astronomy Libraries of HAWAII (ALOHA) to share resources. As electronic research has developed, each library has responded to capitalize on these new capabilities. In coming years, projects such as the Advanced Technology Solar Telescope on Maui and the Thirty Meter Telescope on Hawaii Island have the promise of enlarging our understanding of the Universe. Astronomy libraries in Hawaii will continue to enhance their expertise to match the evolution of astronomy technologies and maximize research impact.

**Thursday, 23 August 2012**

**14:00 – 15:00**

**Title: Tracking Publications Based on Telescope Sharing Among Gemini, Subaru, and Keck**

**Author(s):** Xiaoyu Zhang (Gemini/Joint Astronomy Centre Library, 670 N. A'ohoku Place Hilo HI 96720 USA), Emiko Tsang (Subaru Telescope, NAOJ, 650 North Aohoku Place Hilo, HI 96720 USA), Peggi Kamisato (W.M. Keck Observatory, 65-1120 Mamalahoa Hwy, Kamuela, Hawaii 96743 USA)

**Abstract:** Gemini Observatory, along with Subaru Telescope and Keck Observatory, operate five 8-10 meter telescopes on the summit of Mauna Kea in the Island of Hawaii. To expand the access of different backend instruments available to each observatory, the three institutions began an exchange program in 2005, whereby each observatory provides a fraction of its telescope time to users of the other two observatories in exchange for telescope time on these telescopes for its own user community. To measure results of such collaborations, we discuss the uniqueness of identifying the publications resulting from the exchange program since not all exchange publications explicitly acknowledge such programs. Identifying the observing programs used and checking against exchange programs are therefore necessary in determining these publications. Bibliometric analysis for the resulting publications is performed to assess the productivity and impact of the exchange program.

**Thursday, 23 August 2012**

**15:00 – 16:00**

**Title: H-Index of Astrophysicists at Raman Research Institute: Performance of different Calculators**

**Author(s):** Meera Bunglow Madhavarao (Raman Research Institute, C V Raman Avenue Sadashivanagar, Bangalore, Karnataka, India 560080)

**Abstract:** H-Index, a single number proposed by J.E. Hirsch in 2005 has gained popularity as an index number to measure the research performance of individuals, institutions, universities, etc. There are many calculators to derive the H-index number, such as Google Scholar, Web of Science, Scopus, etc. However, H-index can be calculated manually, provided we have access to a complete list of publications of a scientist and the number of citations received by them. It is observed that H-index for a given scientist at any given point of time differs from one calculator to the other. Here is an

attempt to calculate the H-index of scientists of the Astronomy and Astrophysics Group at Raman Research Institute using Google Scholar Free calculator, Web of Science Paid calculator and The SAO/NASA Astrophysics Data System, attempting manual calculation and comparison of the results. Application of this H-index phenomenon to the research output of RRI scientists in A group is done while keeping in mind Hirsch's systematic investigation to predict the position of a scientist using H-index in physics.

It is believed that the higher the academic age of a scientist, the higher will be the H-Index. An attempt is made to find whether this assumption is true with respect to the sample studied by including the superannuated scientists from Astronomy and Astrophysics group at Raman Research Institute under the purview of this study.

**Friday, 24 August 2012**

**8:30 – 9:30**

**Title: Why Bibliometrics?**

**Author(s):** Jill Lagerstrom (Space Telescope Science Institute, 3700 San Martin Drive, Baltimore, MD 21218 USA)

**Abstract:** Why bibliometrics? This presentation will give a brief overview of the history of bibliometrics. More specific to astronomy, this presentation will discuss the results of a survey which will reveal how various facilities HST, Chandra, ground-based, etc. are using various aspects of paper- and citation-counting to provide information about their research output.

**Friday, 24 August 2012**

**9:30 – 10:30**

**Title: How to Empty Your Observatory without Losing Everything**

**Author(s):** Eva Isaksson (Helsinki University Library, Kumpula Campus Library, P.O. Box 14 Gustav Hllstrmin katu 2, Helsinki 00014 Finland)

**Abstract:** The University of Helsinki Observatory closed at the end of 2009 after 175 years of operation. Its possessions were distributed among a number of libraries, the department of physics, the university central archive and the university museum. Relocating everything has been a jigsaw puzzle, often with too many pieces at hand.

Where did everything go? How does one explain the value of astronomy collections to both astronomers and non-astronomers so that decision makers become willing to preserve them?

Libraries are faced with an e-revolution. How do we best make the next generation of astronomers aware of physical collections they have never seen? A finding guide is presented to help to locate old astronomy collections.

**Friday, 24 August 2012**

**10:30 – 11:30**

**Title: The Librarians' Dilemma: Should We Purchase the E-Book? the P-Book? Both? Neither?**

**Author(s):** Jane Holmquist (Princeton University Library, One Washington Road, Princeton, NJ 08544 USA)

**Abstract:** Publishers of books in astronomy and astrophysics vary greatly in how they market the electronic versions of the print. In most cases, the electronic version for a single user costs the same as the print, and it costs even more for multiple simultaneous users. Some publishers encourage libraries to subscribe to an entire year's output by subject; others make single titles available via the publisher's website, or a vendor's platform such as ebrary. In the latter instance, readers are often surprised to discover that although they can read the entire text online, they can print or download only limited portions. Can we afford to purchase both print and online, if they are only using one? What is the library's obligation to future users and other questions will be addressed.

## Lunch

**Friday, 24 August 2012**  
**13:00 – 14:00**

### **Title: Digital Scholarship and Resource Sharing among Astronomy Libraries: A Case Study of RRI Library**

**Author(s):** Vrinda Benegal (Raman Research Institute, CV Raman Avenue, Sadashivanagar, Bangalore, Karnataka 560 080 India)

**Abstract:** Prior to developing consortia, astronomy libraries in India were in an embryonic stage with meager resources and dwindling budgets. It was extremely difficult for them to respond to the needs of their users. Librarians at the various Indian astronomy institutes were forced to look at alternate strategies. Raman Research Institute in Bangalore will be examined in a case study where they attempt to implement resource sharing with other institutes in India and how they were able to provide efficient service to the astronomy community.

**Friday, 24 August 2012**  
**14:00 – 15:00**

### **Title: Old Books Bring New Life to the Brick and Mortar Library**

**Author(s):** Sally Bosken (US Naval Observatory, 3450 Massachusetts Ave NW, Washington, DC 20392 USA)

**Abstract:** If all the library books and journals can be viewed on your desk top, why come to the physical library? The USNO Library tried to bring the patrons inside the library. One method was to rotate rare book displays each month. As the library holds a fabulous collection of ancient astronomy books, including Copernicus, Kepler, Galileo, Kepler and Newton, we have abundant resources. The presentation will highlight the varied displays and offer a Rare Books 101 explanation of paper, printing, binding and a behind-the-scenes look at how old books are maintained and preserved.

**Friday, 24 August 2012**  
**15:00 – 17:00**

### **Title: Best Practices for Institutional Bibliographies and How to Communicate These to Other Curators**

**Led by:** Jill Lagerstrom (Space Telescope), Uta Grothkopf (ESO), Robert Hanisch (Space Telescope Science Institute 3700 San Martin Drive Baltimore, MD 21218 USA), and Marsha Bishop (National Radio Astronomy Observatory, 520 Edgemont Road, Charlottesville, VA 22903 USA)

**Abstract:** This group discussion will operate with the goal of developing a core set of best practices for inclusion of papers in institutional bibliographies. The end goal is to develop a set of best practices that can be endorsed by the IAU. With an endorsement by the IAU, these will be shared with IAU members and those who prepare bibliographies or use metrics from bibliographies.



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