ICSTI 2014 Annual Members’ Meeting
Saturday 22 February 2014

Cliveden Room - Hyatt at The Bellevue - 200 South Broad Street - Philadelphia, PA 19102

TACC Meeting Description

New Trends in Publication and Data Metrics

Major funding bodies, including national governments, international organizations, and private industry, continue to seek techniques for evaluating and measuring the results of basic and applied research programs. Traditional methods for measuring productivity, in terms of scholarly literature output, include citation counts, journal impact factors, and comparative benchmarking against similar research programs. Beyond traditional bibliometrics, “alternative metrics” are also being employed as another means for evaluating performance and impact. New techniques for citing and measuring the use of “big data” are also emerging. This session will focus on NISO’s recent project on alternative metrics, and will explore how scientists are using new tools, such as Mendeley. The citation practices of datasets will also be covered, through a presentation of the new Data Citation Index product. Finally, FundRef provides a standard method of reporting funding sources for published scholarly research, and the numerous benefits of tracking this information will be discussed.

Speakers

Todd Carpenter

We need standards for a new generation of assessment measures

Description: Momentum in the scholarly community has been growing around development of new metrics and new forms of assessment. In part this has been a function of the growing popularity of electronic article distribution, for which article-level assessment is now possible. However, scholarly communication is rapidly diversifying away from simple article-based communication. New forms of scholarly communication, including data sets, video, software, social citation services, blogs, tweets as well as other non-traditional outputs are becoming increasingly common forms and forums where scholarly discussions take place. Each of these vehicles is generating ancillary data about use that can be considered forms for assessing impact. If these data are to be trusted for assessment purposes, we need to begin considering how these forms are to be assessed, what the underlying metrics are, and how can we trust the data derived from them. One element of that are the standards for defining and calculating metrics. NISO has launched an initiative to develop standards and best practices around new assessment metrics. This presentation will cover NISO’s initiative and goals.
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Bio: Todd Carpenter is Executive Director of the National Information Standards Organization (NISO), a non-profit industry trade association that fosters the development and maintenance of standards that facilitate the creation, persistent management, and effective interchange of information used in publishing, research, and learning. Throughout his career, Todd has served in a variety of roles with organizations that connected the publisher and library communities. Prior to joining NISO, Todd had been Director of Business Development with BioOne. He has also held management positions at The Johns Hopkins University Press, the Energy Intelligence Group, and The Haworth Press.

William Gunn

Altmetrics show new dimensions of research impact

Description: William Gunn will show how to explore the the new types of data about research impact generated by a scholar’s activity on the Web and via Web-enabled applications. The types of data available, the relationships between them, and how they are being used by researchers, publishers, libraries, and funders will be explored with examples from Mendeley and other altmetrics sources.

Bio: As Head of Academic Outreach for Mendeley, Dr. Gunn blends deep technical knowledge and industry insight with clear and effective communication skills. He is recognized for his work in the fields of altmetrics and research reproducibility, writing code, analyzing data, and publishing papers as well as giving talks to technologists and researchers. Dr. Gunn co-directs the Reproducibility Initiative with Elizabeth Iorns and co-organizes Science Online Bay Area to bring together people who are changing how science is carried out and communicated online.

Megan Force

Data Citation Index, making data discoverable and citable

Description: The Data Citation Index is a new initiative to support discovery, access, citation, and attribution of digital resources. An overview of the initiative will be presented, including discussion of data repository selection and evaluation, as well as data deposition and citation practices in the current climate.

Bio: Digital Research Analyst- Physical Science, Thomson Reuters. I analyze and work with scientific and scholarly data repositories for the Data Citation Index. My areas of expertise are physical and astrophysical data and research.
TACC Meeting Description

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Chuck Koscher

FundRef: Structured attribution of scholarly articles to research funding

Description: As an industry initiative FundRef leverages the collaborative principles upon which CrossRef is founded and implements a freely available service to benefit stakeholders needing to identify funding sources contributing to the published scholarly literature.

Bio: Chuck Koscher has been the Director of Technology for CrossRef since 2002. His primary responsibility has been the development and operation of CrossRef’s core services and technical infrastructure. As a senior staff member he also contributes to the definition of CrossRef’s mission and the expansion of its services such as the recent launch of FundRef (http://www.crossref.org/fundref). His role includes management of technical support and back-end business operations. Chuck and his team interface directly with publisher members in dealing with issues effected by new or evolving industry practices such as those involving non-journal content like books, standards and databases. Chuck has been active within the industry having served 9 years on the NISO board of directors, and a participant in initiatives such as the NISO/NFAIS Best Practices in Journal Publishing (http://nfais.org/files/file/Best_Practices_Final_Public.pdf) and NISO's Supplemental Material Working Group (http://www.niso.org/workrooms/supplemental). Prior to CrossRef Chuck has over 20 years in software engineering experience primarily in the aerospace industry.

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