

Science Library 228
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via Brian Williams, UCI representative, brianrw@uci.edu

RE: LAUC 2009-10 MiniGrant

This letter serves as an application for a LAUC mini-grant program to be awarded for FY 2009-10. I have been studying and tracking eScience for over four years and this proposal augments a paper I delivered at a recent conference in Beijing in February 2009. That paper, "The Changing Collections for eScience: What It Means for Libraries" I am expecting to expand upon and develop as a new paper to be delivered at the Eleventh International Conference on Grey Literature at the Library of Congress December 14-15, 2009. The sponsoring organizations of this conference are: TextRelease and GreyNet in Amsterdam; Federal Library and Information Center Committee, Federal Library Information Network (FLICC/FEDLINK); Department of Science and Technology, Department of Energy (OSTI/DOE) in Washington, DC; the Library of Congress; British Library; National Research Council, Italy; and INIST/CNRS, Nancy, France.

The International Grey Literature movement has been active for nearly two decades, primarily in Europe and I have been a part of that community from its inception having presented at the first international conference in 1992 in Amsterdam and at all but two subsequent conferences. I was the founding editor of the *International Journal on Grey Literature* that was launched in 1999 but did not survive the competition of commercial journals. The majority of my research portfolio is dedicated to different scenarios of grey literature and its implications for library collections and services.

Building upon other professional interests I have in eScience and as the Applied Sciences and Engineering Librarian, I will be developing a new theme, "New Shades of Grey: The Emergence of E-Science, Scientific Data and Challenges for Research Libraries." The timetable I am currently working on for this project includes: Abstract for this conference paper proposal is due for submission by April 15, 2009. Acceptances are expected by early June 2009 and final papers will be due on November 15, 2009. I do not expect to need any release time in order to meet these deadlines.

The projected budget summary for a \$500 award is as follows and will contribute toward the anticipated expenses associated with attending this conference:

- Roundtrip airline ticket from Orange County, California to Washington, DC on December 13, 2009 returning on December 15 or 16, 2009 – approximately \$400
- Two nights hotel stay, near the Library of Congress/Capitol Hill – expected costs are \$140/per night
- Local ground transportation to/from airport – approximately \$30
- Registration Fee for Presenter - \$400

Summary of Total Costs = \$1110

I am a member of the Bargaining Unit represented by the UC-AFT, at the Irvine campus. No other requests for funds to cover these expenses have been made.

Proposed Abstract:

“New Shades of Grey: The Emergence of E-Science, Scientific Data and Challenges for Research Libraries.”

By Julia Gelfand

University of California, Irvine Libraries

Four of the themes of the Eleventh International Conference reinforce the subject of this paper. They include 1) the impact of GreyLiterature on Net Citizens, 2) uses and applications of subject based Grey Literature; 3) Grey Literature Repositories Revisited; and 4) Open Access to Grey Resources. E-Science is among the latest forms of literature that has largely been born in the public domain and funded with federal dollars to explore large scale computing potential for the challenges of basic research in the physical sciences, life sciences, medical and clinical sciences, engineering, information sciences and technology, and most recently as it influences public policy. This emergence of eScience demonstrates that the data poses new challenges in its needs to find a home that is safe, open for repurposing, reuse and additional applications. Data can be classified in many ways utilizing a range of appropriate metadata descriptors to enhance its utility for different and future applications. Statisticians and scientists have been concerned about how this data can be retained, archived, preserved and entered into collections that honor its safekeeping and potential for future manipulation. Unlike the information products that are derived from its applications, data is often raw, formulaic, rough, distributed, numeric, tabular and/or loose. Computer scientists and technologists have explored grid computing and now cloud computing to realize its utility as new components in E-Science. This new frontier is among the latest efforts to fuse transdisciplinary, collaborative, distributed pillars of science into a mix of experiments, theories, models, simulations, observations and correlations, which I will demonstrate are new forms of grey literature. The full lifespan of eScience demands that it configures the data curation and preservation aspects and extends the lifetime of grey literature to new challenges, which print and text never experienced. How libraries will cooperate with scientific communities in realizing this new potential and take responsibility for this aspect of grey literature is most curious in this era that observes a fast track maturation of eRepositories around the globe, many external competing demands while trying to effortlessly anticipate and respond to challenges in scholarly communication, open access and the public’s right to know. This paper addresses these and related issues of eScience and science librarianship, within the realm of grey literature at a time of institutional and scientific competitiveness and economic uncertainty.

My resume highlights consistent attention to my scholarship and extracurricular activities. This is an example of ongoing study that influences my primary professional responsibilities on a daily basis. I thank you for your consideration and assistance, and hope that you will let me know if I can provide additional information.

Sincerely yours,

Julia Gelfand

Applied Sciences & Engineering Librarian

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