Brief Bio and (PR)² : Problems & Pitches – Rants & Raves by *Weixia (Bonnie) Huang*

Self Introduction

Weixia Huang is a System Architect at the *Cyberinfrastructure for Network Science* Center at the School of Library and Information Science, Indiana University, Bloomington. She has ten years industry experience on software developments and project managements. She currently lead the software development of the NSF funded Network Workbench (NWB) and Cyberinfrastructure Shell (CIShell) projects. She is particularly interested in designing and developing software with sound extensibility, usability, and scalability. Before joining the *Cyberinfrastructure for Network Science* Center, she has worked as Research Staff Member at Xerox Wilson Research Center and software engineer at Sprint. She was the architect and programmer at Xerox to develop a Device-Centric Enterprise Service Platform for automated data transmission and remote diagnosis systems.

Publications:

Herr II, Bruce W., Weixia (Bonnie) Huang, Shashikant Penumarthy, and Katy Börner. "Designing Highly Flexible and Usable Cyberinfrastructures for Convergence." In *Progress in Convergence – Technologies for Human Wellbeing* 1093, eds. William S. Bainbridge and Mihail C. Roco, 161-179. Boston: Annals of the New York Academy of Sciences, 2007.

http://ella.slis.indiana.edu/~huangb

Network Workbench Tool and Community Wiki, http://nwb.slis.indiana.edu

Cyberinfrstructure Shell, http://cishell.org

General Questions

1) What is (are) your main interest(s) in attending the workshop?

I would like to understand the existing workflow science policy makers use for decision making, and learn from researchers/scientists and science policy makers the needs on data/knowledge/expertise management, analysis and visualization to support scientific discovery and innovation, as well as expand my professional network.

2) What information/knowledge management needs do you have?
Explain your 'dream tool' for scientific discovery and innovation.

3) What is the most insightful visualization of static or dynamic phenomena you know?

4) What would you like to learn / achieve at the workshop?
I would like to learn more about other researcher's work and identify the possible collaboration opportunity.