

## **Brief Bio and (PR)<sup>2</sup>: Problems & Pitches – Rants & Raves by *Bill Valdez***

Dear invited participant of the NSF Workshops on Knowledge Management and Visualization Tools in Support of Discovery at the National Science Foundation, Arlington, VA on March 10 & 11, 2008, see <http://vw.slis.indiana.edu/cdi2008/workshop1.html>.

In preparation for the workshop we ask you to provide a brief bio and your input to the questions below. Your input will be available to all participants and people which are “interested (but cannot attend)” before the meeting to complement the introduction of participants and to structure the workshop more effectively.

Thank you for your time.

### **Self Introduction**

Please introduce yourself by providing a

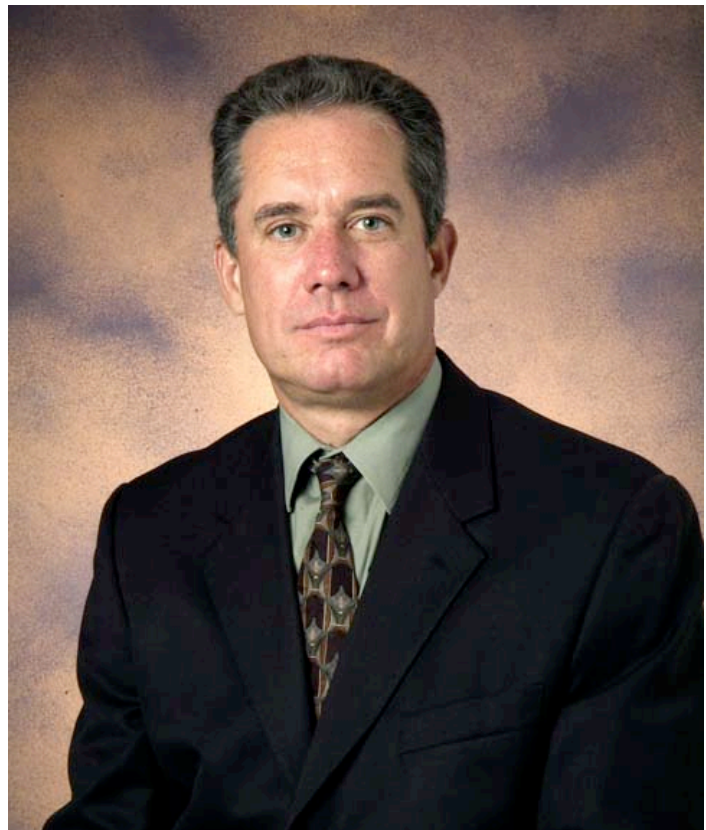
- photo of yourself
- brief biography of about 250 words
- up to five major publications
- link to your home page and
- links to data or software you serve (if applicable).

### **BIOGRAPHY BILL VALDEZ**

**Bill Valdez is the Director of the Office of Workforce Development for Teachers and Scientists within the Department of Energy’s Office of Science.**

**His responsibilities include developing workforce strategies for the Department’s scientific and technical workforce, and creating opportunities for students and educators to participate in the Nation’s research enterprise as a means to improving the competitiveness of U.S. industry and overall scientific literacy.**

**Previously, Mr. Valdez was the Director of Planning and Analysis at the Department of Energy’s Office of Science. His responsibilities included corporate strategic planning, R&D**



evaluation, and Federal S&T policy development.

**Mr. Valdez was awarded the Presidential Rank Award (meritorious) in 2007, was elected as a Fellow of the American Association for the Advancement of Science in 2006, and is Vice Chair of the Senior Executive Association's Board of Directors.**

**Prior to working at DOE, Mr. Valdez worked as a Senior Project Manager in private industry where he provided strategic planning services to Asian and European multinational corporations.**

**Mr. Valdez received a Bachelor of Arts from the University of Texas and his Master of Arts in International Economics and Energy Policy from the Johns Hopkins School of Advanced International Studies.**

### General Questions

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

To understand the state of the art in visualization to inform the Science of Science Policy Interagency Task Group's (SoSP ITG) work on this subject. Also, I am working with NSF on a visual analytics workshop in the summer related to the ITG work, so this will be a nice warm up.

2) What information/knowledge management needs do you have?

Many...too many to list.

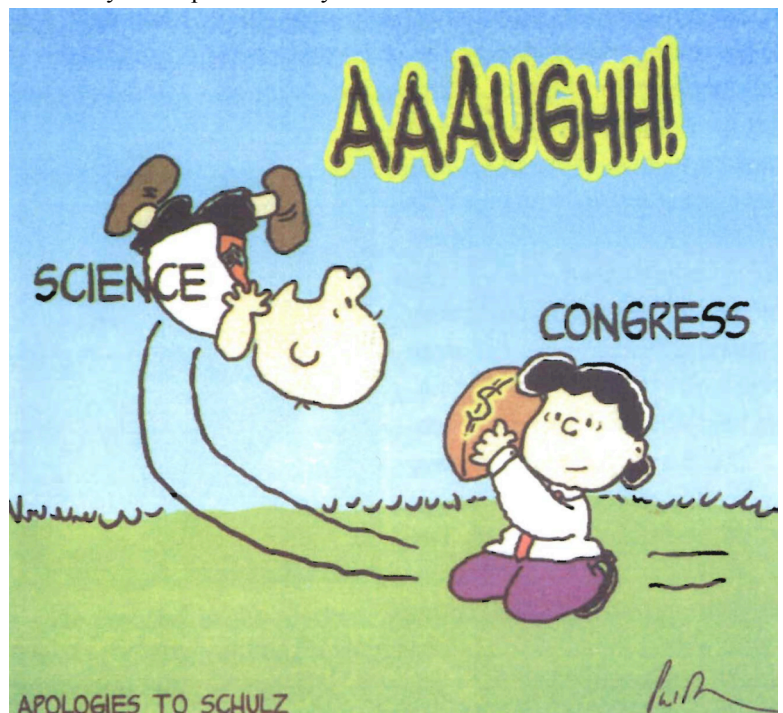
Explain your 'dream tool' for scientific discovery and innovation.

A user friendly software tool that translates disaggregated data into beautiful and intuitive visualizations.

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

*[Ideally this visualization led to a major discovery/innovation. Examples could come from science, art, or any other field of human endeavor. Note that we plan to use this visualization on your name card.]*

See the attached cartoon.



4) What would you like to learn / achieve at the workshop?

Too much to describe here. Looking forward to the conversation.

*Please send the completed document by February 20th, 2008  
to Katy Borner <[katy@indiana.edu](mailto:katy@indiana.edu)> and Elisha Hardy <[efhardy@indiana.edu](mailto:efhardy@indiana.edu)>*