



Broader Impacts For Research and Discovery Summit

Area #2

Broaden Participation of
Underrepresented Groups





Area 2: Broaden Participation of Underrepresented Groups

Speakers:

- *Steve Cooper*, “The Broader Impact of Alice”
- *Kathleen Fisher*, “Broadening Your Impacts by Partnering with the CRA”
- *Ann Gates*, “Establishing Meaningful Collaborations with HSIs”
- *Deanna Korsaraju*, “The Impact of the Grace Hopper Celebration”
- *Lecia Barker*, “Broadening Participation of Underrepresented Groups: BPC Digital Library, Portal, and Matchmaker”





Broader Impacts of Alice

Steve Cooper
Purdue University





My Research

- Alice is a 3D interactive animation environment
- Students build movies and games as they learn object-oriented programming
- Work done with Wanda Dann (CMU) and the late Randy Pausch (CMU)





My Broader Impact Focus

- Broaden participation of underrepresented groups
- Getting computing to appeal to a wider segment of the population
 - Programming with a purpose
 - Storytelling



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My Broader Impact Activities

- PACMACS – direct work with URMs
- Faculty professional development
 - Building an Alice educators community
 - Community support
 - Forums: www.alice.org/community
 - Curricular materials: www.aliceprogramming.net
 - e-Newsletters, workshops, Alice conferences, etc.



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Connections

- As an educationally-based project, our Alice community helps us to try out and provide feedback on Alice improvements and modifications



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Broader Impact Activities help ...

- Having an Alice community enables us to work with others, e.g. Judy Gersting, University of Hawaii
- Our Alice community provides test sites for future Alice proposals/projects





A GOOD Activity is ...

- One that helps leverage the effectiveness or impact of the project





My Advice

- Broader Impacts are often relegated to a paragraph on the last page of a proposal
 - Better to be stressed throughout a proposal
 - Broader Impacts really do deserve comparable consideration as Intellectual Merit





Contact Me!

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