

AI Across Tennessee  
NSF MRI Proposal Development  
Broader Impact

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# NSF MRI Broader Impact

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## Goals of the Broader Impact section

- This section should provide a discussion of the broader impacts as a result of the acquisition of the instrument, including how the instrument will:
  - improve the capabilities to conduct leading-edge research
  - serve to attract researchers
  - improve the quality of research training
  - broaden the participation in science and engineering research by women, underrepresented minorities and persons with disabilities

# Broader Impact Items in Draft

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- Instrument will provide significant new capabilities not currently available at any of the ten partner universities
- Broad statewide impact as the instrument will be accessible for AI research projects led by faculty from the ten partner public universities in Tennessee
- a central focal point for AI research training, AI symposia, AI workshops, AI hackathons
- an AI research community resource that will provide a Nexus for an annual AI Across Tennessee Symposium

# Broader Impact Items in Draft

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- Integration with UTK AI Tennessee Initiative and integration with the AI programs at the other nine partner universities (need the list of these AI programs)
- Resource to fill the gap between the limited existing university AI resources and the NSF ACCESS and NSF NAIRR resources by providing a resource to support scaling that can lead to ACCESS and NAIRR allocations
- Outreach activities with Grace Hopper Celebration of Women in Computing, the Richard Tapia Celebration of Diversity in Computing, and ACCESS-CI programs

# Broader Impact Items Needed

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Need ideas and write up on:

- How the instrument and its capabilities will serve to attract and/or foster collaborations with leading AI researchers
- Need a list of the AI programs at each of the partner universities that the instrument can support
- Addt'l outreach activities and partnerships involving women, underrepresented minorities, and those with disabilities
- Mentorship programs involving AI research using the instrument
- Outreach for AI use by non-engineering disciplines

# Broader Impact

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- Ideas and Discussion...