



Breakout Session 3

Keeping Things Fresh

CISE REU PI Meeting 2023, Austin, Texas – April 2023

Thursday, April 20, 2023

10:30am-11:30am in Plumeria A

Facilitators



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Evaluating research and experiential value

- Adapt to the changes, run a prototype test and expand in next year
- A continuous process, look at site evaluation and other sites doing, get the ideas on how to evolve
- NSF-Jeff on renewal: how to learning from past lessons, how the program is evolving, don't just give a quick results of prior project. Novelty: what are the state-of-the-art right now?
- What is missing in the program? Ethical issues, IP issues, IEEE code of ethics is for professional engineers, give lectures about cases of misconduct, certificate training, mini-courses on ethics

Evolving focus of the intellectual theme

- Evolve to interdisciplinary, bring in faculty from other fields
- Designed to be interdisciplinary, like data science + X
- Small site choosing faculty specialized in an area who can work with PI in a theme
- Reach out to other departments to find interesting projects
- Reach out to other organizations like NASA as external partners
- Focus on central core of the program
- Balance between novelty and appropriate for undergraduate students

Engaging graduate students, postdocs, and faculty in mentoring

- School have program to train graduate students as mentors
- Co-PI people can't say no to and people trust
- Show clear value of the program to faculty
- Engage administration into the program
- Local students talk about experiences, extra stipend to faculty from administration
- More Co-PIs for a project as an incentive for junior faculty
- Use an instrument to collect preliminary results for full proposal
- Give graduate students some money support
- Broaden the impact into other areas of the school
- Team-bonding experiences