Request for Proposals
Polytechnic Research Impact Areas Graduate Recruiting Program
2022-2023 Academic Year

In preparation for the 2022-2023 academic year, this recruiting program offers Polytechnic faculty the ability to recruit PhD students through selected interdisciplinary and collaborative projects. The Research Advisory Council will use a proposal process to select 3 projects. Project teams will be given the opportunity to recruit and hire 1 incoming (new) doctoral student as a Graduate Research Assistant. The premise of this program is to enable faculty to recruit and increase the number of exceptional new applicants to the Ph.D. in Technology program while supporting interdisciplinary research teams in Polytechnic.

Phase I: Polytechnic faculty teams submit written proposals due November 5, 2021, 5:00pm
Proposals should be 12 pt font, with 1-inch margins, single spaced, and include:
- Project Summary (2-pages maximum with 1" margins)
  o Project Title
  o List of PIs involved, home departments, Research Impact Area(s)
  o Project summary (including problem statement, research questions, and interdisciplinary approach and methodologies)
- Impact Statement (1-page maximum)
  o Expected impact to PI/co-advisors
  o Expected impact on the Polytechnic
  o Expected impact on the Research Impact Areas named in the proposal
  o Broader impact to society and specifically one or more of the UN SDGs
  o Strategies for generating new, extramural grant support
- Recruitment strategy (1-page maximum)
  o Message to recruits
  o Activities (i.e. advertising venues, visits to universities)
  o Diversity plan (how will you ensure diversity among your applicants)
- References (not included in page limit)
- Bio-sketches of all proposal PIs in the latest NSF format (not included in page limit)
- Current and prior internal support (for all team members) received in last 3 years (July 1 2018 – current), including but not limited to seed grants, equipment grants, faculty start up, travel support, post-doc support, graduate student support, undergraduate student support, summer support. Total funding received for each funding and the remaining funds for each funding should be listed.

Guidelines:
- All project PI/co-advisors should be active members both in 2020-2021 academic year (not applies to Polytechnic faculty hired this academic year) as well as the current academic year of one of the three Polytechnic Research Impact Areas (RIAs). Co-PIs from other colleges and other universities are allowed and encouraged but financial resources will only directly benefit Polytechnic faculty and students.
- Projects must be clearly interdisciplinary and have two or more PIs who will serve as co-advisors to the doctoral student, representing at least two RIAs. One PI/advisor should be designated as the lead.
- Projects are encouraged to align with at least one of the UN SDGs.
- Project must be aligned with the mission and vision of the PIs' Research Impact Areas.
- Preference will be given to projects led by a junior faculty member.
- Prior or existing seed grants do not automatically exclude teams from proposing a new (and different) project.
- A faculty can be a PI or co-PI only on one proposal.

-   Polytechnic faculty who was part of a team that has been awarded with a RIA GRP in 2019-2020 and 2020-2021 AY are ineligible to apply (either as a PI or a co-PI).

Funding support:
-   The Research Office will provide 50% academic year (9-month) funding support for an incoming doctoral student in their first year through a research assistantship, starting Fall 2022.
-   The Research Office will provide funding in the second year if the student receives a favorable annual performance review from their faculty advising team.

APPENDIX

Project Proposal Review:
-   Proposals will be reviewed by the Research Impact Area co-leads based on the novelty of the idea, likelihood to stimulate new external funding, the collaborative and interdisciplinary nature of the team, strength of the problem statement and approach, relationship of the research to the relevant Research Impact Areas and SDGs.

Phase II: Student recruitment and application to Graduate School

Project teams will recruit a student to join their team. Student will apply as through the Graduate School Application process and needs to be admitted by the Graduate School for consideration for this award.

Review:
-   Submitted applications will pass through the regular university, college, and academic program application review process and the student will be issued a doctoral program acceptance letter.
-   One of the PIs of the proposal must be committed to chair the doctoral committee of the selected student.
-   After a student has been selected, the faculty leads will provide the student name and start date to their departmental business office and graduate student office support staff and the Polytechnic Research Office.

For questions or inquiries, please contact your respective RIA co-leads. Submit your proposal as a single PDF document to Felicia Anderson, fanderso@purdue.edu, by Friday, November 5, 5:00pm. Awardees will be notified by November 29, 2021.