Limited Submissions

LIMITED SUBMISSION: National Science Foundation – IUSE/Professional Formation of Engineers: Revolutionizing Engineering Departments (IUSE/PFE: RED)

****PLEASE NOTE: TWO (2) PROPOSALS FROM TUFTS MAY BE NOMINATED ****

DEADLINES:
Tufts Internal Email of Intent Deadline: November 12 by noon
Sponsor Deadline: January 24, 2019

For those interested, please send an email of intent to the Limited Submissions Team at limitedsubmissions@tufts.edu informing us of an intention to apply. EOI’s received after the deadline will not be considered. The email of intent must include:
1. The name of the solicitation,
2. The name of the Principal Investigator, and any co-PI's,
3. A 2-3 sentence description of the proposed project.

Should the number of interested applicants exceed the number allowed by the funder, an internal selection process will be conducted by the Office of the Vice Provost for Research, and candidates will be notified to submit internal application materials. All candidates will be notified of results. NB: Successful applications must include official notification from the Limited Submissions Team in order to submit. For more information, please see
http://viceprovost.tufts.edu/resources/funding/limited-submissions/

PROGRAM PURPOSE:
• Revolutionizing Engineering Departments (RED) is designed to build upon previous efforts in engineering education research and align with NSF-wide undergraduate STEM education initiatives to develop new, revolutionary approaches that enable the transformation of undergraduate engineering education or to adapt and implement evidence-based organizational change strategies and actions to the local context.

PROGRAM REQUIREMENTS:
• Proposed programs should catalyze revolutionary, not incrementally reformist, changes to the education of the next generation of engineers – these should be radically, suddenly, or completely new; produce fundamental, structural change, or go beyond existing norms and principles
• Must consider the cultural, organizational, structural, and pedagogical changes, and should focus on the middle two years, which have been neglected in the past.
• RED Innovation track: Projects that involve radically, suddenly, or completely new approaches and action; producing fundamental, structural change; and that go outside of or beyond existing norms and principles. These should generate new knowledge on best practices for sophomore/junior engineering education and integrate with freshman and senior experiences, as well to generate new knowledge on how to transform department structures and cultures
• RED Adaptation & Implementation (A&I) Track: Projects that use evidence-based and evidence-generating change strategy approaches and actions that are adapted to the local context. These should generate new knowledge related to the adaptation of proven change strategies and actions in a new context.

ELIGIBILITY: PI must be department chair/head (or equivalent); teams must include at minimum an expert in engineering education research, and an organizational change expert; please refer to RFA at the link below, and please follow Tufts PI eligibility policies.

AWARD INFORMATION: RED Innovation awards are $1,000,000-$2,000,000 for a duration of up to 5 years. RED-A&I proposals have a maximum of $1,000,000 for a duration of up to 5 years.


NOTE: Program announcement instructions supersede instructions delivered in this document.

All materials are to be submitted electronically to the Limited Submissions Committee at limitedsubmissions@tufts.edu.