Sponsor: National Science Foundation
Program: IUSE/Professional Formation of Engineers: REvolutionizing engineering and computer science Departments (RED)
Estimated Award Amount: Up to $2,000,000 for 5 years
JHU Nomination Limit: 2
For more detailed information: NSF IUSE

The IUSE/Professional Formation of Engineers: REvolutionizing engineering and computer science Departments (RED) is a five-year grant designed to enable engineering and computer science departments to lead the nation by successfully achieving significant sustainable changes necessary to overcome longstanding issues in their undergraduate programs and educate inclusive communities of engineering and computer science students prepared to solve 21st-century challenges. Proposals must be for an amount between $1,000,000 and $2,000,000.

Eligibility & Requirements:

- The Principal Investigator(s) must be a department chair/head (or equivalent) to establish institutional accountability.
- There must be a RED team that includes (at a minimum) an expert in engineering education or computer science education research, who can ground the research plan in the literature, and a social science expert who can evaluate department dynamics and monitor change processes.
- The social scientist must have expertise to advise on strategies for developing a culture of change and on strategies for creating meaningful collective ownership of the effort among faculty, students, and staff.

Internal Nomination Process:

Interested applicants should send the following documents in sequence in one PDF to resapp@jhu.edu no later than 4 p.m. on October 9, 2015:

1. JHU Limited Submission Cover Sheet
2. Abstract (one page, double-spaced)
3. Proposal (maximum of four pages of text only, single spaced: 12-pt font and one-inch margins)  
   (Note: figures, tables, and other reference material should not be included as text)
4. Curriculum Vitae of investigator, including current external research support and publications
5. Budget (two pages maximum)
6. Letters of Recommendation from the Department Chair/Director  
   (Note: Letters of Recommendation can be submitted separately to resapp@jhu.edu stating your name in the subject line)

Each applicant should expect to receive a confirmation of receipt of their materials. If an applicant does not receive an acknowledgement, or has any questions, please contact Janet Palmer via resapp@jhu.edu, or by phone to 410-516-5917.