

Instructions for Application Materials

- **Research Statement.** Write 1-2 pages, single spaced narrative that includes:
 - Your research questions and their importance; how your research contributes to your field
 - Research plan and future research directions
 - Identify potential collaborations and funding sources
 - Broader impacts of your research (the potential to benefit society and contribute to the achievement of specific, desired societal outcomes)
 - Plan for student engagement in your research program including efforts to broaden participation of groups identified by NSF as historically underrepresented in STEM
 - If your research examines the intersectionality of engineering and social inequities, please explain how.

- **Teaching, Mentoring, and Leadership Statement.** Write 2-4 pages, single spaced narrative that includes:
 - A personal vision for teaching and learning.
 - A description of teaching strategies or approaches for which you received training or have implemented.
 - Justification for those strategies, focusing on evidence-based practice, highlighting how to achieve an effective learning environment for all students regardless of their backgrounds, expectations, and needs.
 - Your mentoring philosophy and previous mentoring training and/or experience.
 - Describe your mentorship plan for tenure-track faculty and research faculty, senior researchers, staff, and students, including those necessary to effectively mentor individuals with different cultural backgrounds and those belonging to groups identified by NSF as historically underrepresented in STEM.
 - Describe your vision setting and strategic planning for the ElectroScience Laboratory (ESL).
 - Plan for development and growth of large research programs within the ESL, including securing major collaborative research grants in the ESL strength areas.
 - Plan for engagement of potential research partners and other stakeholders within the College of Engineering and the University.
 - Plan for Plans for enhancing the public profile of the laboratory and external relations with government, industry, and alumni.