Instructions for Application Materials

- **Teaching and Mentoring Statement.** Write 1-3 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 diverse cultural backgrounds and those belonging to groups identified by NSF (National Science Foundation) as historically underrepresented in STEM.

- **Research Statement.** Write 1-3 pages, single spaced narrative that includes:
  - Your research questions and their importance; how your research contributes to the fields related to sensor systems.
  - 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.

- **Leadership Statement.** Write 1-3 pages, single spaced narrative that includes:
  - Describe your vision setting and strategic planning for ECE/OSU in sensor systems.
  - Plan for development and growth of large research programs within ECE, including securing major collaborative research grants in the ECE strength areas.
  - Plan for engagement of potential research partners and other stakeholders within the College of Engineering and the University.
  - Plan for enhancing the public profile of the department.