Workshop - Engineering Education Proposal Writing and Project Management Workshop

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Abstract - Participants will be engaged in proven strategies and techniques for writing engineering education proposals to and managing projects for programs such as, but not limited to, the National Science Foundation (NSF) divisions of Undergraduate Education (DUE) and Engineering Education and Centers (EEC). Through active discussions, collaboration, and sharing of experiences, participants step through an actual Request for Proposals (RFP) as they learn how to a) analyze a program announcement/solicitation, b) align their project ideas with program goals, c) identify relevant prior work, and d) craft responsive engineering education proposals. Participants will also look forward to receipt of an award and learn how to effectively manage an on-going project with due attention to budgeting, evaluation, sustainability, and reporting requirements. Discussions topics will range from the basic NSF requirements to the fine points of writing or using graphical presentations that catches a reviewer’s attention. Some advice comes directly from NSF program directors and grantees including tips on writing in a way that allows reviewers to quickly and easily read and understand your proposal. Finally, the new engineering education research agenda will be presented and discussed. Workshop participants will receive a new handbook, fusing attention to research, engineering education, and project management into a seamless whole. The handbook and workshop build upon guidance developed by NSF program officers and grantees. This workshop is being offered as a project of the Center for the Advancement of Scholarship on Engineering Education (CASEE) of the National Academy of Engineering (NAE) consistent with its emphasis on enhancing excellence in engineering education including education research.

Acknowledgment
We wish to acknowledge the support provided by the National Science Foundation which was awarded to the National Academy of Engineering Center for the Advancement of Engineering Education, GSE-0533520 - Engineering Equity Extension Services (EEES).