

## Call for MS-EPSE Capstone Projects

This is a call for capstone projects for this 2019-2020 academic year. The Master of Science in Electric Power Systems Engineering (MS-EPSE) is in its eighth year, with 18 new students admitted to the program in Fall 2019. The program is looking for projects related to power systems and power electronics hardware, software, simulation, and analysis and assessment, though other project submissions are welcome. **The deadline for submission is November 29, 2019.**

The EPSE program gives students a thorough understanding of the tools, methods, and practice of electric power engineering. It includes two concentrations, one in power systems and the other in power electronics (<http://www.ece.ncsu.edu/graduate/msepse>). The MS-EPSE program is an integral part of the education program of the FREEDM Systems Center at NCSU. One of the critical components of the EPSE program is to provide students with exposure to industry experts through relevant project work to gain the skills and knowledge needed by industry. We solicit Capstone projects for this purpose.

### Capstone Projects

The Capstone is a project solicited from industry and implemented in two courses over one year. The first course, Engineering Practicum I, starts in the spring semester (January through end of April) and introduces basic skills on project management and communications (both verbal and written). During the early part of this course, students form teams and choose their project from the selection provided. We solicit from industry to provide students and industry the opportunity to work on a real-world hands-on project. Finally, students develop a project plan for their chosen project.

In the second course, Engineering Practicum II, students work with the industry sponsor and a faculty member who act like project supervisors to ensure successful project completion, either in the summer semester (May through August) or fall semester (August through December).

### Project Submission:

If your company would like to participate as a project sponsor, please complete the form on the next page for each project. You may email it back to Mesut Baran at [baran@ncsu.edu](mailto:baran@ncsu.edu).

If you have questions about the suitability of projects you are considering, please contact one of the EPSE Team:

Mesut Baran, [baran@ncsu.edu](mailto:baran@ncsu.edu)

David Lubkeman: [dllubkem@ncsu.edu](mailto:dllubkem@ncsu.edu)

Len White: [lwwhite@ncsu.edu](mailto:lwwhite@ncsu.edu)

Please email the completed form to Dr. Mesut Baran: [baran@ncsu.edu](mailto:baran@ncsu.edu). Thank you!

Organization Name:	
Contact Name:	
Contact Email:	
Proposed Project Title:	

<b>Project Description:</b>	
<b>Project Deliverables:</b>	
<b>Required Skills:</b>	

Capstone Project implementation- (Engineering Practicum II) timeframe preference:

May-Aug. \_\_\_\_\_ Aug-Dec. \_\_\_\_\_ No Preference \_\_\_\_\_

Please email the completed form to Dr. Mesut Baran: [baran@ncsu.edu](mailto:baran@ncsu.edu). Thank you!