

## **Summer 2019 Undergraduate Internship Opportunity**

Nuclear Power Institute – Texas A&M University, College Station

### **SEI NuSTEM**

*Systems Engineering Initiative-*

*NSTEM: Nuclear Science, Technology and Education for Molten Salt Reactors*

A key program of the Nuclear Power Institute is the Systems Engineering Initiative (SEI). In SEI, multi-disciplinary groups of students at the freshman through senior level from several departments aided by a graduate student and guided by a faculty mentor work together on real world problems, often defined by industry. SEI has been extremely successful, especially in increasing retention and encouraging students towards careers in industry and further advanced studies.

SEI-NuSTEM brings a new dimension to this initiative. Currently SEI involves students working together on one campus. SEI-NuSTEM will link the TAMUS universities in College Station, Prairie View and Kingsville. The focus will be on an advanced system, the molten salt reactor. The participants will include advanced undergraduates guided by faculty mentors. NuSTEM is a Grand Challenge Integrated Research Project with the Nuclear Energy University Program in the Department of Energy. In addition to TAMU, other partners include the University of California at Berkeley and the University of Wisconsin at Madison. There is also international collaboration.

The program is looking for undergraduate interns from PVAMU from the engineering or science disciplines: Students may be involved in experimental activities in the Fuel Cycle and Materials Laboratory, alternatively may be part of the modeling and simulation group. The students will receive stipends for both their time and lodging/living costs to participate in the internship at TAMU – College Station.

To apply, send the following to Dr. Richard Wilkins, Professor, Department of Electrical and Computer Engineering:

1. One page resume.
2. Unofficial transcript
3. Brief paragraph on your interests in nuclear power or other aspects of nuclear science/engineering. Please make sure you state clearly whether your interest is in experimental work or modeling/theoretical work.