Systems Engineering Division (SED) Call for Papers

The Systems Engineering Division (SED) seeks papers and pre-funded workshop proposals that promote systems engineering education and systems thinking at all levels of education, and for different delivery modes including distance education, hybrid and traditional classroom delivery.

The SED is looking for papers that address:
- Systems thinking and its role in engineering education;
- Systems engineering competency development and assessment;
- Experiential based education and training focused on the systems engineer practitioner and workforce development;
- Sustainable system design;
- Strategies and lessons learned related to systems engineering curriculum development;
- Assessment methods for systems engineering education;
- The role of systems engineering education in preparing learners for solving complex issues;
- Integration of systems engineering across other engineering disciplines;
- Systems engineering of software-intensive systems including cloud-based systems.
- Collaborative efforts, competitions, and university specific experiences in support of capstone course development.
- The use of systems engineering modeling, simulation, methods, and/or tools in the classroom;
- Initiatives with industry and/or government partners;
- Systems engineering certification;
- K-12 outreach activities and initiatives; and
- Visions for systems engineering education.

Contributions are welcome from the many disciplines that leverage systems engineering principles either to develop curriculum or as part of their curriculum.

Papers are publish-to-present. Paper submission is a two-step review process consisting of an abstract submission, review and potential acceptance, followed by a full manuscript submission, review and potential acceptance. Abstracts shall be 250-350 words in length. Both the abstract and the final paper must be accepted to present at the conference and for inclusion in the conference proceedings. At least one author for each paper is expected to register for and present at the conference. Submission guidelines and deadlines, along with other pertinent information, are available at the ASEE 2013 conference website.

Proposals for workshops, discussion panels and presenters should be directed to Dr. Fernando Gonzalez, Systems Engineering Division Program Chair, at fernando.gonzalez@tamiu.edu.