CESUN 2020
Engineering Systems Symposium

Purdue University | West Lafayette, IN
June 9 – 11, 2020

CALL FOR PAPERS

The Purdue Systems Collaboratory is hosting the Annual Meeting of the Council of Engineering Systems Universities (CESUN) June 9-11, 2020, at Purdue University in West Lafayette, Indiana, USA. At Purdue, we keep in mind that various perspectives such as "systems thinking", "systems science", and "systems engineering" all play a role in addressing engineering systems / socio-technical problems. The CESUN 2020 theme of "Perspectives on Engineering Systems - Seeking Convergence" also highlights that addressing and enhancing engineering systems requires a convergence of knowledge from multiple domains.

To this end, authors are invited to submit either **(1)** a two-page abstract <u>or</u> **(2)** a full paper on one of the CESUN 2020 topics (see below).

(1) Two-page Abstract | Authors of accepted abstracts, reviewed for fit with the symposium topics, may have the option of (a) presenting in poster format, or (b) authors will make an oral presentation accompanied by a full paper that will be available to symposium participants but will not receive a DOI.

- OR -

(2) Full Paper | Full papers of 5 to 8 pages are to be on new work that has not been presented or published elsewhere, or under consideration for publication. Accepted full papers to be included in the archival conference proceedings, and DOI reference number provided, by Purdue Libraries. Additionally, accepted papers will be considered for a special CESUN issue of Systems Engineering.

TOPICS
Topics for papers, posters, and special sessions include, but are not limited to the following:
·   Hazard mitigation, disaster response and recovery
·   Education in engineering systems - how people learn systems thinking
·   Theoretical and methodological advances in systems research
·   Smart infrastructure and smart cities
·   Transportation and other networks
·   Policy interfaces for engineering systems
·   Modeling humans and human institutions
·   Metrics for resilience, sustainability, and socio-technical qualities
·   Sustainability and environmental impact
·   Other complex systems such as health care systems, engineering systems of finance,
      IoT, security systems, and knowledge systems

Recognizing the support and involvement of Purdue's College of Engineering and Discovery Park's Purdue Policy Research Institute (PPRI), we are also supporting submissions addressing the following Purdue Engineering Initiatives: Data and Engineering Applications; Engineering and Medicine; Autonomous and Connected Systems; Innovation and Making; and the Cislunar Initiative.

TIMELINE

28 January 2020
Call for Papers announced

29 February 2020
Submissions due

30 March 2020
Authors notified of acceptance or rejection

9 June 2020
Full papers due for proceedings and DOI publication

SUBMISSION GUIDELINES

Content must be relevant to one of the conference topics (listed at left)

Must be in English

Should be about a novel or insightful contribution that is in scope and on a conference topic (listed at left)

Must be submitted via online portal found at
https://docs.lib.purdue.edu/cesun/

FORMAT
Authors have the choice to use IEEE *or*
APA reference format for paper submissions.

CESUN was established in 2004 by universities offering educational and research programs in engineering systems. CESUN membership includes more than 50 universities in North America, Europe, Asia, and Australia. The Council provides a mechanism for the member universities to work together developing engineering systems as a new field of study. An overall objective of the Council is to broaden engineering systems education and practice.

TECHNICAL PROGRAM CO-CHAIRS

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