



Call for Papers



Abstract Submission Deadline: November 22, 2017

Complex engineering systems are at the heart of significant problems and opportunities. Society is faced with such systems complexity both in the nature of most real-world, multi-faceted issues and in our human response through the design, deliver, and management of sociotechnical solutions. Addressing these grand challenges and building a better future are infeasible through traditional disciplines alone. Systems thinking, multidisciplinary approaches, and collaborative solutions are necessary. Many peer institutes address and are developing new insights, teaching, and methods for this topic.

CESUN 2018, co-hosted by KEIO University SDM and University of Tokyo GSFS, seeks to bring together researchers from multiple domain and methodological backgrounds who share a common interest in tackling complex socio-technical systems problems. We welcome submissions on any traditional CESUN topic, including both theoretical and applied work, but particularly encourage work that speaks to a crosscutting themes, such as:

Topics of Interest

- Resilience of Critical Infrastructures
- Dynamics of Innovation in Socio-technical Systems
- AI in Engineering Systems
- Sustainable Energy and Policy

Submission Process

All abstract submissions, no more than 500 words, must be received by midnight on November 17th, 2017 through the submission web page. (<http://www.cesun2018.org>). Notification of the abstract review (for proposed papers and posters) will be returned within 1 month. Final papers will be due on February 2, with final decisions March 16, 2018. Authors who are accepted will have until April 20, two months before the conference, to submit their final versions.



Submission requirements

- Abstracts (500 words)
- Full papers (6--8 pages, IEEE format)
- Full papers should include substantive results. They will be peer reviewed and considered for oral presentations during the symposium. Papers with linkage to the conference themes will be prioritized.
- If you would be willing to help review papers, please volunteer through the website or when submitting your paper.
- Excellent papers will be invited to submit to a special issue of the journal Systems Engineering. Detailed instructions will be provided to the selected authors following the normal paper review process.

Key dates

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| Oct. 31, 2017 | Proposals for Organized Workshop Sessions |
| Nov. 17, 2017 | Abstract Submission (for both papers and posters) |
| Dec. 17, 2017 | Notification of Abstract Review Results |
| Feb. 2, 2018 | Full Paper Submission |
| Mar. 16, 2018 | Notification of Full Paper |
| Apr. 20, 2018 | Final Paper Submission Deadline |
| Jun. 19-22, 2018 | Symposium |

Conference registration will open in December, with early registration concluding in April 2018. A professional tourist agency will be available to assist with hotel and other logistics.

Conference Technical Co-chairs:

Kazuo Hiekata (University of Tokyo)

Naohiko Kohtake (Keio University)

Bryan Moser (MIT)



CESUN Executive Committee

- Larry Head (University of Arizona)
- Amro Farid (Thayer School of Engineering at Dartmouth)
- Babak Heydari (Stevens Institute of Technology)
- William Crossley (Purdue University)
- Paulien Herder (Delft University of Technology)
- Masaru NAKANO (Keio University)
- Olivier de Weck (Massachusetts Institute of Technology)
- Zoe Szajnfarber (George Washington University)
- Daniel Roos (Massachusetts Institute of Technology)
- Darryl Farber (Penn State University)

Contact

Conference website: <http://www.cesun2018.org>

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| papers@cesun2018.org | For general questions on abstract, poster, and paper submission. (Proposed Abstracts, posters, and papers should be submitted online at cesun2018.org.) |
| workshops@cesun2018.org | For general information on the workshops to be held at the conference. (Proposals for workshops are due Oct. 31, 2017 and should be submitted online at cesun2018.org.) |
| info@cesun2018.org | Other general questions about the conference. |