

# Call for Papers on Modeling and Methods of Systems in Context

## INCOSE Systems Engineering Journal

The INCOSE Systems Engineering Journal is pleased to invite papers on **Modeling and Methods of Systems in Context** for a Special Issue to be published in 2018 or 2019. The Editor-in-Chief and Editorial Board of the Wiley journal Systems Engineering, INCOSE, and the organizers of CSER 2018 16<sup>th</sup> Annual Conference on System Engineering Research, are coordinating on this Special Issue of the journal featuring the research of top contributors to CSER 2018. At least one Special Issue manuscript author must be registered for the CSER 2018. Manuscript submissions are either proffered by authors or nominated by the program committee of the CSER. This Special Issue consisting of full-length technical papers is complementary to a CSER 2018 Proceedings consisting of short (< 8-page) papers.

The 16th Annual Conference on System Engineering Research (CSER) will be held on May 8-9, 2018 at the University of Virginia, Charlottesville, Virginia, USA. The CSER offers researchers in academia, industry, military, and government a forum to present, discuss, and influence systems engineering research. It provides access to forward-looking research from across the globe. Co-founded by the University of Southern California and Stevens Institute of Technology in 2003, CSER is among the preeminent events for researchers in systems engineering across the globe. Topics include though are not limited to the following:

### Systems analysis:

- Formative methods: requirements
- Integration, deployment, assurance
- Human factors
- Safety and security

### Decisions/control & design; systems modeling:

- Optimization, multiple objectives, synthesis
- Risk and resilience
- Collaborative autonomy
- Coordination and distributed decision-making

### Prediction:

- Prescriptive modeling; state estimation
- Stochastic approximation, stochastic optimization and control

### Integrative data science and engineering:

- Sensor management
- Design of experiments
- Data science and information systems

Please submit papers for blind peer review by July 1, 2018.

Inquiries regarding this Call for Papers should be directed to the Guest Editors for the special issue:

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