CALL FOR PRESENTATIONS AND POSTERS

Complexity and global security: Sustainability in an increasingly connected and urbanizing world

www.public.asu.edu/~sshutte/globalsecurity2015

SCOPE
It has been nearly 20 years since the U.S. National Defense University and the RAND Corporation organized a groundbreaking conference titled Complexity, Global Politics and National Security. The years since have seen tremendous advances in network analysis, graph theory, computational social science, and other theoretical aspects of complex systems. At the same time, exponential growth in computational power has led to novel methods of modelling, simulation, and analysis of complex systems. We seek to build upon the vision presented 20 years ago and to highlight how these numerous advances in complex systems theory and methods have enhanced our understanding of global security issues and our ability to address those issues. These issues share much with novel scientific fields, such as sustainability, and include emerging security issues such as urbanization and the rise of megacities. For these reasons the 2015 European Conference on Complex Systems (www.ccs2015.org) will include a satellite session for scientists, scholars, and practitioners addressing global security as a complex network of causality and nonlinear feedbacks. Participants will explore both proximate and ultimate drivers of social and political instability, including (but not limited to) such phenomena as:

- climate change
- food system disruption
- geopolitical conflict
- trade networks
- altered migratory patterns
- water scarcity
- the modelling and visualization of these drivers

SUBMISSIONS
Submissions of abstracts (300 word maximum) on the above or related topics, in the context of global security, are welcome in each of three categories:

- **Presentation**: 15 minutes for a presentation with an additional 5 minutes for audience questions and answers.
- **Ignite**: 5 minutes for a presentation with no questions from the audience. This allows approximately 3-5 slides.
- **Poster**: Poster presenters will be given space and time to discuss their research and are expected to be available at their poster during a poster session.

Works in progress or preliminary results are welcome. At the discretion of the organizing committee, authors submitting work in one format may be requested to present their work in a different format. For instance, an author submitting a paper may instead be requested to present a poster. We expect to schedule approximately 9 papers, 12 ignites, and a number of posters subject to space availability at the venue.

Abstracts submitted for inclusion in the satellite session will be reviewed and selected by the satellite program committee members, based on their adherence with the theme of the satellite, originality, and scientific soundness. Upon acceptance of an abstract, presenters will be provided additional information on the preparation of papers and slides. Poster authors will be provided additional information on preparation of the poster for presentation.
Authors are further encouraged to submit full manuscript versions of their conference presentations to a special issue of the *Journal of Defense Modeling and Simulation* ([mc.manuscriptcentral.com/jdms](http://mc.manuscriptcentral.com/jdms)). A separate call for papers will be issued by the journal at a later date.

**KEY DATES**

**15 June, 2015:** Initial submission of abstracts for presentations, ignites, and posters are due. Initial submissions must be sent via email to: [globalsecurity2015@asu.edu](mailto:globalsecurity2015@asu.edu)

**20 June, 2015:** Notification to authors of accepted presentations, ignites, and posters.

**30 June, 2015:** Last day for early (discounted) registration.

**15 August, 2015:** Final abstracts due in electronic form through EasyChair. Instructions for using the CSS’2015 EasyChair site will be provided to presenters at the time they receive their acceptance notification.

**15 September, 2015:** Last day for regular (full price) registration.

**30 September, 2015:** Satellite session in Tempe, Arizona, USA.

**ORGANIZING/PROGRAM COMMITTEE**

- Melissa Allen (Oak Ridge National Lab, USA)
- Nadya Bliss (Arizona State University, USA)
- Jill Brandenberger (Pacific Northwest National Lab, USA)
- Leon Clarke (Pacific Northwest National Lab, USA)
- Steven Corman (Arizona State University, USA)
- Bruce Edmonds (Manchester Metropolitan University, UK)
- David Hales (Szeged University, Hungary)
- Wei Luo (Arizona State University, USA)
- Ross Maciejewski (Arizona State University, USA)
- Ignacio Martinez-Moyano (Argonne National Lab, USA)
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- Michael North (Argonne National Lab, USA)
- Byung Park (Oak Ridge National Lab, USA)
- Suhas Ranganath (Arizona State University, USA)
- Sheila Ronis (Walsh College, USA)
- Shade T. Shutters, Chair (Arizona State University, USA)
- Dave White (Arizona State University, USA)
- Devin White (Oak Ridge National Lab, USA)

**QUESTIONS?**

Email questions to [globalsecurity2015@asu.edu](mailto:globalsecurity2015@asu.edu). Please include “Global Security Satellite” in the subject line.

For the latest updates and the session agenda, visit the satellite website:

[www.public.asu.edu/~sshutte/globalsecurity2015](http://www.public.asu.edu/~sshutte/globalsecurity2015)