The Symposium and Bootcamp on the Science of Security (HotSoS) is a research event centered on the Science of Security.

The key motivation behind developing a Science of Security is to address in a principled manner the fundamental problems of security.

Security has been intensively studied, but a lot of previous research emphasizes the engineering of specific solutions without first developing the scientific understanding of the problem domain. All too often, security research conveys the flavor of identifying specific threats and removing them in an apparently ad hoc manner.

The motivation behind the nascent Science of Security is to understand how computing systems are architected, built, used, and maintained with a view to understanding and addressing security challenges systematically across their life cycle. In particular, two features distinguish the Science of Security from previous research programs on security.

- **Scope.** The Science of Security considers not just computational artifacts but incorporates the human, social, and organizational aspects of computing within its purview.
- **Approach.** The Science of Security takes a decidedly scientific approach, based on the understanding of empirical evaluation and theoretical foundations as developed in the natural and social sciences, but adapted as appropriate for the artificial science (in Herb Simon's term) that is computing.

Following a successful invitational SoS Community Meeting in December 2012, Hot SoS 2014 will be the first open research event in what is expected to be a continuing series of such events.

Symposium proceedings will be indexed in the IEEE digital library.

Topics
relevant to the theme of Science of Security including, but not limited to, the following (each from the perspective of the Science of Security):

- Computing architectures
- Networks
- Software engineering practices
- Models of human interaction and behavior
- Organizational models
- Evaluation methodologies

Additional information about the Science of Security can be found at the Science of Security Virtual Organization.

If you have any questions about the topics or submission instructions, please feel free to contact the Program Chairs, Professors David M. Nicol and Munindar P. Singh, at hotsos14@gmail.com

Emphasis on Science: Required Section in Each Submission

The key motivation behind Hot SoS is to bring out and promote the science underlying security. Therefore, we require that each submission include a section called "The Science" in which the authors should describe in what ways their contribution constitutes science. We interpret science in the broadest sense of the systematization of knowledge to uncover foundational principles through theory-driven inquiry. Thus methods reminiscent of the natural, life, social, or behavioral sciences are all acceptable. Our motivation behind asking for this section is not to impose any ideology on researchers but to give a spotlight to and thus promote the science of security.

Important Dates

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Submission Instructions

Paper Submission
Submissions must be formatted in the IEEE Conference Style and be no more than 10 pages not including bibliography and appendices, and no more than 12 pages total. We recommend the IEEE LaTeX package, IEEETran, to be used with the following options: `\documentclass[10pt, conference]{IEEEtran}

Submissions must be prepared for double-blind review, that is, omit the authors' names as well as any explicit indicators of the authors' identities such as referring to a past publication as "our work" or "we showed".

Submit your manuscript using Easy Chair from [here](#).

Submissions must not be previously published or accepted for publication and must not be submitted for publication elsewhere between the Hot SoS submission and decision dates. Prior or concurrent submission to workshops without a proceedings might be acceptable, if disclosed at the time of submission.

**Poster Submission**

HotSoS is soliciting 2-page poster abstracts that will be archived in the proceedings. Submissions must be formatted in the ACM Sig Alternate style, and no more than 2 pages in total (including references).

Submit your 2-page abstract using Easy Chair from [here](#).

**Organization**

**Organizing Committee**

General Chair: [Laurie A. Williams](#), North Carolina State University  
Program Co-Chair: [David M. Nicol](#), University of Illinois, Urbana-Champaign  
Program Co-Chair: [Munindar P. Singh](#), North Carolina State University  
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