CSS 2014

The 6th International Symposium on Cyberspace Safety and Security

http://www.computational-science.org/CSS2014

Paris, France, August 20-22, 2014

Introduction

A large fraction of the population in the world now spends a great deal of time in cyberspace. Cyberspace has become a critical infrastructure that is embedded in almost all other critical infrastructures and enables every movement of human society. It is thus very much in the public interest to have a safe and secure cyberspace.

In the past several years, there has been large number of attacks in cyberspace, such as attacks on the Internet, attacks on embedded/real-time computing and control systems, and attacks on dedicated computing facilities. Many research efforts have been made to achieve cyberspace safety and security, such as blocking and limiting the impact of compromise, enabling accountability, promoting deployment of defense systems, and deterring potential attackers and penalizing attackers.

In this context, we focus our program on Cyberspace Safety and Security, such as authentication, access control, availability, integrity, privacy, confidentiality, dependability and sustainability issues of cyberspace. The aim of this symposium is to provide a leading edge forum to foster interaction between researchers and developers with the cyberspace safety and security communities, and to give attendees an opportunity to network with experts in this area. The symposium will be a highly focused, professional, high quality, and social event.

Previously CSS has been held in Zhangjiajie, China (2013), Melbourne, Australia (2012), Milan, Italy (2011), Chengdu, China (2009), and Sydney, Australia (2008).

Scope and Interests

Topics of particular interests include the following tracks, but are not limited to:

(1) Data and Applications Security
1. Digital Rights Management
2. Secure Information Integration and Transaction Processing
3. Secure Semantic Web and Web Services
4. Security in E-Commerce and M-Commerce

(2) Network and Communications Security
1. Attack Containment
2. Active Defense Techniques and Systems
3. Attack Recovery
4. Intelligent Defense Systems
5. Internet and Network Forensics

(3) Software and Systems Security
1. Software and Systems Assurance
2. Secure Design and Testing
3. Viruses, Worms, and Other Malicious Code
4. Security Theory and Tools
5. Security in Pervasive and Embedded Systems
6. Secure Operating Systems

(4) Cloud Security
1. Practical Cryptographic Protocols for Cloud Security
2. Multi-tenancy and Related Security Issues
3. Secure Cloud Resource Virtualization Mechanisms
4. Secure Data Management and Computation Outsourcing
5. Trust and Policy Management in Clouds

(5) Cyberspace Safety
1. Identity Management and Authentication
2. Security and Usability
3. Security and Privacy in Social Networks
4. Privacy Models
5. Privacy Enhancing Technologies

6. Human Factors in Computer Security
7. Modeling and Analyzing Online User Behavior
8. Risk Assessment in Cyber Security
9. Benchmark, Analysis and Evaluation of Cyber Security
10. Implementation, Deployment and Management of Cyber Security

IEEE Conference Proceedings and Journal Papers

The accepted papers from this conference will be submitted for publication in IEEE Xplore as well as other Abstracting and Indexing (A&I) databases (EI Compendex). Papers should be written in English conforming to the IEEE conference proceedings format (8.5" x 11", Two-Column, template available at http://www.computer.org/portal/web/cscps/formatting). Papers should be submitted through the paper submission system at the conference website. Full Papers (up to 8 pages) and Short Papers (up to 4 pages) are solicited.

Distinguished papers, after further revisions, will be considered for possible publication in several SCI & EI indexed special issues of prestigious international journals. By submitting a paper to the conference, authors assure that if the paper is accepted, at least one author will attend the conference and present the paper.

For more information on submission please contact: css2014-0@easychair.org

General Chairs
Julien Bourgeois, UFC/FEMTO-ST Institute, France
Frédéric Magoulès, Ecole Centrale Paris, France

Program Chairs
Zheng Yan, Xidian University, China / Aalto University, Finland
Peter Mueller, IBM Zurich Research, Switzerland
Robert H. Deng, Singapore Management University, Singapore

Steering Chairs
Yang Xiang, Deakin University, Australia
Laurence T. Yang, St. Francis Xavier University, Canada

Important Dates

Paper submission: 28 April 2014
Notification of acceptance: 23 June 2014
Camera ready due: 15 July 2014