The 1st International Conference on Science of Cyber Security (SciSec 2018)

August 12-14, 2018 Beijing, China

INTRODUCTION

The 1st International Conference on Science of Cyber Security (SciSec 2018) will be held August 12-14, 2018 in Beijing, China. The conference is organized by the Institute of Information Engineering, Chinese Academy of Sciences. This new forum aims to catalyze the research collaborations between the relevant communities and disciplines that can work together to deepen our understanding of, and build a firm foundation for, the emerging Science of Cyber Security. Publications in this venue would distinguish themselves from others by taking or thinking from a holistic perspective about cyber security, rather than the building-block perspective. Each submission will be reviewed (double blind) by at least 3 reviewers. The program committee plans to select and award a Best Paper and a Best Student Paper. The post-conference proceedings will be published in Springer's Lecture Notes in Computer Science (LNCS) series.

CONFERENCE SITE

Site: UCAS International Conference Center

Addrress: Yanqihu Campus, the University of Chinese Academy of Sciences, 380 Huaibeizhuang, Huairou District, Beijing, China

AREAS OF INTEREST

The conference solicits high-quality, original research papers that can justifiably help achieve the ultimate Science of Cyber Security. Topics of interest include, but are not limited to:

- Cybersecurity Dynamics
- Cybersecurity Metrics and Their Measurements
- First-principle Cybersecurity Modeling and Analysis (e.g., Dynamical Systems, Control-Theoretic, and Game-Theoretic Modeling)
- Cybersecurity Data Analytics
- Big Data for Cybersecurity
- Artificial Intelligence for Cybersecurity
- Machine Learning for Cybersecurity
- Economics Approaches for Cybersecurity
- Social Sciences Approaches for Cybersecurity
- Statistical Physics Approaches for Cybersecurity
- Complexity Sciences Approaches for Cybersecurity
- Experimental Cybersecurity
- Macroscopic Cybersecurity
- Statistics Approaches for Cybersecurity
- Human Factors for Cybersecurity
- Compositional Security
- Biology-inspired Approaches for Cybersecurity
- Synergetics Approaches for Cybersecurity

SUBMISSION GUIDELINES

Submissions must be written in English and in the PDF format. Submissions should be made anonymous (i.e., no author names and affiliations information). The length limit is 15 pages (everything included). Authors should use Springer's template which is available at http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0. Submission of a paper is regarded as a commitment that at least one of its authors will register and attend the conference to present the work.

COMMITTEES

General Chair:
Dan Meng, Institute of Information Engineering, CAS, China

Program Committee Co-Chairs:
Feng Liu, Institute of Information Engineering, CAS, China
Shouhuai Xu, University of Texas at San Antonio, USA
Moti Yung, Snap Inc. and Columbia University, USA

Publicity Co-Chairs:
Habtamu Abie, Norwegian Computing Center, Norway
Hongchao Hu, National Digital Switching System Engineering & Technological R&D Center, China
Wenlian Lu, Fudan University, China
Dongbin Wang, Beijing University of Posts & Telecommunications, China
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Xiaofan Yang, Chongqing University, China
Qingji Zheng, Robert Bosch RTC, Pittsburgh, USA

Journal Special Issue Chair:
Sheng Wen, Swinburne University of Technology, Australia

Keynotes

Prof. Xinsheng Ji
National Digital Switching System Engineering & Technological R&D Center, China

Prof. Gene Tsudik
University of California, Irvine, USA

Dr. Yuejin Du
Vice President of Technology
Alibaba Group, China

Prof. Moti Yung
Snapchat Inc. & Columbia University, USA

IMPORTANT DATES

Paper Submission Deadline: May 1, 2018
Notification of Acceptance: June 22, 2018
Pre-conference version due: August 5, 2018
Conference dates: August 12-14, 2018
Post-conference Camera-Ready Version due: Oct. 1, 2018

CONTACTS

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