

CALL FOR PAPERS



STAST 2016 - 6th International Workshop on
Socio-Technical Aspects in Security and Trust
hosted by ACSAC 2016 -
the 32nd Annual Computer Security Applications Conference
5 December, 2016

Important Dates Papers: ~~September 23~~, September 30, 2016 (23:59 - AoE = UTC-12)
Notification: ~~October 21~~, November 4, 2016

Terminology Socio-technical means the reciprocal relationship between people and technology.

Concept Successful attacks on information systems often combine social engineering practices with technical skills, exploiting technical vulnerabilities, insecure user behavior, poorly designed user interfaces, and unclear or unrealistic security policies. To improve security, technology must adapt to the users, because research in social sciences and usable security has demonstrated that insecure behavior can be justified from cognitive, emotional, and social perspectives. However, also adherence to reasonable security policies and corresponding behavioral changes should augment and support technical security.

Finding the right balance between the technical and the social security measures remains largely unexplored, which motivates the need for this workshop. Currently, different security communities (theoretical security, systems security, usable security, and security management) rarely work together. There is no established holistic research in security, and the respective communities tend to offload on each other parts of problems that they consider to be out of scope, an attitude that results in deficient or unsuitable security solutions.

Goal The workshop intends to stimulate an exchange of ideas and experiences on how to design systems that are secure in the real world where they interact with non-expert users. It aims at bringing together experts in various areas of computer security and in social and behavioral sciences.

Topics Contributions should focus on the interplay of technical, organizational and human factors in breaking and in achieving computer security, for example:

- Requirements for socio-technical systems
- Feasibility of policies from the socio-technical perspective
- Threat models that combine technical and human-centred strategies
- Technical and social factors that influence decision making in security and privacy
- Balance between technical measures and social strategies in ensuring security and privacy
- Studies of real-world security incidents from the socio-technical perspective
- Social and technical factors that influence changes in organizations security policies and processes
- Lessons learned from holistic design and deployment of security mechanisms and policies
- Models of user behaviour and user interactions with technology
- Perceptions of security, risk and trust and their influence on human behaviour
- Social engineering, persuasion, and other deception techniques
- Root cause analysis and analysis of incidents for socio-technical security incidents
- Strategies, methodology and guidelines for socio-technical and cyber-security intelligence analysis
- Nudging to improve security
- User experience with security technologies

Both qualitative and quantitative research approaches, from academia and industry, are welcome.

Submissions We accept (1) original research contributions presenting new results; (2) position papers discussing existing challenges and introducing new research topics; (3) case studies describing lessons learned from design and deployment of security mechanisms and policies in research and in industry.

PLEASE TURN OVER

Programme Committee

Blocki, Jeremiah (Purdue University)
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Kowalski, Stewart (Stockholm Univ.)
Mannan, Mohammad (Concordia Univ.)
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Probst, Christian W.(DTU)
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Renaud, Karen (Univ. of Glasgow)
Ryan, Peter (Univ. Luxembourg)
Stobert, Elizabeth (ETH Zurich)
Weippl, Edgar (SBA Research)
Yan, Jeff (Lancaster Univ.)
You, Ilsun (Soonchunhyang Univ.)
Zurko, Mary Ellen (Cisco Systems)

Invited Speaker

Matt Bishop (Univ. of California, Davis) : (title to be announced)

Program Chairs

Benenson, Zinaida (Univ. of Erlangen-Nuremberg)
Gates, Carries(Independent Contractor)

Organizers

Bella, Giampaolo (Univ. of Catania)
Lenzini, Gabriele (Univ. of Luxembourg)