

IEEE Systems Council

Technical Committee on Security and Privacy in Complex Systems

Online Meeting – 10/29/2015, from 9:00am to 10:00am US Eastern Time

Participants: Roger Oliva, Shiyan Hu, Remzi Seker, Radu Babiceanu, Kalum Udagepola

In this meeting, we have discussed how this TC can contribute to IEEE SysCon 2016, and how this TC can contribute to IEEE SYSC newsletter. We also discussed the tech solutions relevant to unresolved problems with unencrypted files, poor computer architecture, un-updated servers, and employees clicking malware links. Finally we discussed the five year plan of this TC and specifically our conference plan.

During the discussion, Radu mentioned that he serves as program chair for the coming IEEE High Assurance Systems Engineering Symposium (HASE 2016) and intends to organize a small Security and Privacy in Complex Systems workshop in conjunction with the symposium. The workshop could be organized in a panel format.

Items to do before the next meeting:

- Shiyan will set up initial contact with the program chair of IEEE SysCon 2016. Basically, our TC is interested in contributing (1) a panel on cybersecurity and privacy in aerospace and aviation transportation (organized by Remzi and Roger), (2) a half-day tutorial focusing on the smart home energy system cybersecurity (delivered by Shiyan), and a TC meeting (open to public) collocated with SysCon.
- The expected outcome of the panel is to increase awareness of security and privacy issues in aerospace and aviation transportation system. In fact, this is highly relevant to IEEE Standards Coordinating Committee on Transportation. Shiyan will contact this standards committee and see how our TC can contribute to it, or its spin-off. Roger will also seek some suggestions from IEEE aerospace society BoG.
- Shiyan will contact Lauren to understand the SYSC newsletter publication timeline. We will discuss in the next meeting how our TC can contribute to this newsletter. For example, we could contribute a feature article relevant to aviation transportation cybersecurity.
- For Roger's concerns on tech-solutions for unresolved problems with unencrypted files, poor computer architecture, un-updated servers, and employees (or contractors) clicking malware links, a good way is to establish/improve/include existing standards. Roger will work with the IEEE USA policy group, and Remzi will contact with NIST to see how to promote the solutions.
- The five year plan of this TC is as follows. The TC will meet at least monthly during the first year while getting more TC members and promoting the TC related activities. In 2017 or 2018, we should be able to set up a mailing list of at least 300 experts. The TC expects to establish a new conference around that time, where most TC members can contribute. Since this TC is relatively new, it is better if we can focus on establishing a conference in US first to maximize participation, and then move to other countries.