Get Involved

Introduction, Mission Statement, Preamble

Earn or give, but never assume, trust

Use an authentication mechanism that cannot be bypassed or tampered with

Authorize after you authenticate

Strictly separate data and control instructions, and never process control instructions received from untrusted sources

Define an approach that ensures all data are explicitly validated

Use cryptography correctly

Identify sensitive data and how they should be handled

As stated in the Mission Statement, the IEEE Center for Secure Design will provide guidance on:

- Recognizing software system designs that are likely vulnerable to compromise.
- Designing and building software systems with strong, identifiable security properties.

This document is just one of the practical artifacts that the Center for Secure Design will deliver.

If you are interested in keeping up with the Center for Secure Design activities, follow us on Twitter @ieeecsd or via the website (cybersecurity.ieee.org). If you would like to help with CSD activities, contact Kathy Clark-Fisher, Manager, New Initiative Development (kclark-fisher@computer.org).

Always consider the users

Understand how integrating external components changes your attack surface

Be flexible when considering future changes to objects and actors

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