Cyber Security Technical Panel

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Cyber Security Panel - Interests

- Vision of the panel is to serve as a hub of AESS cyber security activities, to highlight and promote awareness of activities, technical understanding, and developments in this increasingly important field.

- The panel promotes and supports cyber security technical interests, technical articles and conference activities, and educational activities in those aspects of cyber security most relevant to complex systems for space, air, ocean, or ground environments.

- These technical areas include
  - Cyber security for transportation
  - Cyber security for aircraft and avionics
  - GPS threats
  - Information security for complex systems, and
  - Identification and modeling of cyber-related vulnerabilities.

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AESS Conferences and Cyber Security

- Cyber Security is not central theme or name-related to an AESS financially co-sponsored conference, but often related topics are prominent.

- Selected AESS conferences to co-locate with panel meetings
    - DASC (Digital Avionics Systems Conference) had **Cyber Track** (sets of sessions) September 13-17 in Prague.
        - *Largely focused on Cyber security for aircraft and avionics*
        - *Central theme of several track papers: **vulnerability of ADS-B (and NextGen)***
    - ICCST (Int'l Carnahan Conf. on Security Technology), also September 2015, requested to also be site of a panel, and is smaller but more focused on a range of security issues, some of which are cyber security.
        - Members postponed in August as Taipei location impeded participation.

8/8/2022

Cyber Security Panel

Near-Term Goals and Objectives
- Hold 2+ meetings/year
- Increase AESS reputation and visibility in cyber
- Relate to AESS Conferences, Meetings, Activities

Cyber & Panel Roles
1. Conferences – DASC, ICCST, and…
   - Can we do an AES mag on cyber/avionics and/or cyber/transportation?
   - Offer a DL.

Greater IEEE and Cyber:
- IEEE Cybersecurity Initiative
- Ruling from IEEE-HQ: No affinity groups. Non-council, so Cyber "chapter" can be effected by joint chapters in AES/C/CE/COM.

Recent Activities
- Members include BoG Bill Walsh, Erik Blasch, Mike Davis
- AESS Conferences
- DASC 2015 and ICCST 2015 (some).