Working Group Outbrief

Ground System Architectures Workshop

Session 11E
Emerging Technologies: Protections or Pitfalls

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Bring together the civil, commercial, defense, law enforcement, and intelligence communities to discuss emerging technologies, resilient architectures, enterprise agility, and collective collaboration.

Possible topics:

- Artificial Intelligence & Machine Learning
- Honeypots/Honeynets
- Malware Detection using Sequence Classification
- Internet of Things (IoT)
- Quantum Cryptography
- Microsegmentation of Networks
- Disposable Computing
- Blockchain
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Key Points

- Tools & Resources
- Artificial Intelligence & Machine Learning
- Encryption - Hardware vs. Software
- Root of Trust & Operating in a Zero Trust Environment
- Cyber Talent
- Threats & Vulnerabilities
Conclusions

- Back to the Basics with Cyber Security: Defense in Depth – “The application is the new perimeter”
- Benefits & Drawback to Artificial Intelligence & Machine Learning
- Need for More Cyber Threat Information Sharing
- Cyber Talent – Positive Trends in Software Development & Hiring/Retention Tips
- RMF – Need to honor the spirit of RMF, not just the “law”