



**2020**  
Annual **INCOSE**  
international workshop  
**Torrance, CA, USA**  
January 25 - 28, 2020

# Systems Security Engineering

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[www.incose.org/IW2020](http://www.incose.org/IW2020)

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## CHAIR

Rick Dove (dove@parshift.com)

## CO-CHAIRS

Beth Wilson (wilsondrbeth@aol.com)

Kennith Kepchar (eagleview2@cox.net)

Keith Willett (Keith.Willett@incose.org)

## MEMBERS

About 15 active and 135 in the  
WG community

## INCOSE CONNECT ADDRESS



<https://connect.incose.org/WorkingGroups/SystemsSecurityEngineering/Pages/Home.aspx>

## INCOSE WEB PAGE



[www.incose.org/ChaptersGroups/WorkingGroups/knowledge/agile-systems-se](http://www.incose.org/ChaptersGroups/WorkingGroups/knowledge/agile-systems-se)

# Charter Summary



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## WG PURPOSE/MISSION

This working group's mission is to provide Systems Engineers and Systems Engineering with effective means and methods for sustainable system functionality under advanced adversarial attack.

## WG GOAL(S)

- Establish the responsibility for security within Systems Engineering, with acceptance and practiced as a fundamental part of system engineering.
- Establish self-sustaining cross-community involvement between systems engineers, security engineers, and system security standards.
- Establish systems engineering guidance for enabling effective systems security in the face of evolving system security needs.
- Attract an international cadre of engaged participants.

## WG SCOPE

Instill systems engineering responsibility for sustainable systems functionality in the face of intelligent, determined, and highly competent system adversaries; facilitate the assimilation and dispatch of that responsibility; and instigate self-sustaining cross-community involvement between systems engineers, security engineers, and system security standards.

# IW Outcomes



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## IW Outcomes

Reviewed past projects and WG Overview for new people, and reviewed nine wip project updates, one opportunity, four FuSE papers, and one project kickoff for SEBOK work.

# Planned Work past IW



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## PLANNED ACTIVITIES

- Paper presentation at Systems Security Symposium in April.
- Collaboration with NDIA.
- Collaboration on FuSE Security topic with FuSE collaboration community.
- Collaboration with Product Line Engineering WG.
- Collaboration with CAB on SE Security Priority needs.
- Collaboration with Loss Driven SE WG.
- Possible collaboration with Social Systems WG.
- Continued work with security standards bodies.

## PLANNED WORK PRODUCTS

- Panel session at IS20 if accepted
- IS20 2 FuSE paper final completions if accepted.
- IS20 Presentations on FuSE papers if accepted.
- Completion of INSIGHT August Issue with twelve papers on Security for PLE Variation..
- Additional FuSE Security Topic papers TBD.
- SEBoK material on Systems Security Engineering.