Speaker Meeting: Experiences at the INCOSE 2022 IW

INCOSE Los Angeles
February 8, 2022
Agenda

• Virtual Welcome & Introductions
• Announcements
• Presenter Introductions
• Experiences at the 2022 IW
• Meeting Closing
Announcements

• **Speaker Meeting (March 1):** "Future-Proofing Systems Engineering Skills", Rick Hefner, Ph. D., Executive Director, Caltech Center for Technology and Management Education
  • Topic: Trends in Systems Engineering from the perspective of new skills a system engineer must master
  • Followed by a tutorial on **March 12** (more information forthcoming)

• **26th Annual Ground System Architectures Workshop (GSAW)**
  • Theme: "Driving Innovation for Enterprise Integration"
  • February 23 – March 3, 2022 (Virtual)
  • [http://gsaw.aero.org/registration](http://gsaw.aero.org/registration)
Announcements

• **FIRST Robotics Volunteer Opportunities**
  • Volunteer and judges for regional events in Orange and LA counties, March 9-12 and March 31-April 3
  • POC: Dorothy Benveniste
Presenters

- Phyllis Marbach, INCOSE Assistant Director of the Transformational Enablers Working Groups
- Andrew Murrell, Secretary INCOSE LA
- Nazanin Sharifi, Vice President INCOSE LA
- Dorothy Benveniste, President INCOSE LA
Working Groups and Initiatives

Technical Operations
Tips for Effective Working Groups

At the request of Technical Operations, the Measurement Working Group (Paul Frenz – Chair) in conjunction with Assistant Director – Bob Swarz conducted a survey of all the INCOSE working groups chairs and follow-up interviews with 13 of the respondents who indicated a willingness to participate. After the Technical Operations brief at the IS2014, the following Tips for Effective Working Groups was created.

1. Forming a Working Group
2. Working Group Leadership
3. Working Group Communications
4. Working Group Product Development
5. Working Group Productivity
6. Sustaining a Working Group
7. Other Comments

Today’s presentation will revisit selections from this guide, with recent examples from working groups and reflections from the past 7 years.
Olivier Dessoude – Deputy Technical Director

TechOps Working Group Structure
Four Domains and Some Initiatives

• What follows is a reminder for most attendees...
• ...But it may help new members, or encourage those interested in contributing more
• With a growing number of Working Groups across the years, TechOps took the decision to structure them into domains:
  – For clarity and to allow specialization
  – To balance management load between several ADs
Initiatives

• Initiatives are usually created upon request from some higher instance (e.g., the INCOSE BoD)
• They generally address topical issues of importance (e.g., MBSE, SmartCities, Value Proposition…)
• They often involve external partners, requiring formal agreements
• Their lifetime may be limited in time (to 3 years by default)
• It does not preclude an initiative to foster the creation of a WG that will outlive it
Domains

- Application domains: Business sectors where SE is applied with some specificity. These are WGs where people want to meet and share practices from their industry (e.g., automotive, defense, healthcare…)
- Process Enablers: Engineering disciplines that are typical of the main engineering effort, and are directly related to the technical processes of SE (e.g., architecture, IV&V, requirements management…)
- Analytics Enablers: Transverse or specialty engineering domains that are essential to the engineering of successful systems (e.g., safety, security, HSI…)
- Transformational Enablers: New approaches or technologies that are already changing, or will change in the future the way SE is performed (e.g., Agile, DEIXWG, Social Systems…)

Application domains

Transformational Enablers
Analytics Enablers
Process Enablers
Past Year Successes

• Progressing impactful products & services
  SE Vision 2035   SE Handbook Version 5
  SE Tools Database Complexity Primer
  SE4SME         NRVVLM

• Engaging sessions at IW and IS

• Online experiences & increased adoption
New standard, number and name in work, put out a call for a liaison and got a volunteer.
Looking Forward

- Find gaps in our products and fill them
  - A new Technical Product Plan system is coming soon (Q1) to improve everyone’s experience

- Use the language of others
  - Be an approachable expert, but don't wait to be approached.

- Leverage INCOSE's collaboration tools
  - Burst your Zoom bubbles!
<table>
<thead>
<tr>
<th>WG Name</th>
<th>WG Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architecture</td>
<td>Richard Martin / Jean-Luc Garnier / Anand Kumar / Rolf Siegers</td>
</tr>
<tr>
<td>Configuration Management</td>
<td>Adriana D'Souza / Dale Brown / Alek Przbylo / Aryes Lahiry</td>
</tr>
<tr>
<td>Integration, Verification and Validation</td>
<td>Jim Armstrong / Russell Kubycheck / Paul Frenz</td>
</tr>
<tr>
<td>Measurement</td>
<td>Jim Armstrong / Russell Kubycheck / Paul Frenz</td>
</tr>
<tr>
<td>PM-SE Integration</td>
<td>Jean-Claude Roussel / Tina Srivastava / John Lomax</td>
</tr>
<tr>
<td>Requirements</td>
<td>Tami Katz / Lou Wheatcraft / Mike Ryan</td>
</tr>
<tr>
<td>Risk Management</td>
<td>Jack Stein / Bob Parro</td>
</tr>
<tr>
<td>Systems Engineering Quality Management</td>
<td>Barclay Brown / Bill Scheible</td>
</tr>
<tr>
<td>Enterprise Systems</td>
<td>Tom McDermott</td>
</tr>
</tbody>
</table>
### Analytic Enablers (Jimmie McEver, Assistant Director)

<table>
<thead>
<tr>
<th>WG Name</th>
<th>WG Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Competency</td>
<td>Cliff Whitcomb / Lori Zipes</td>
</tr>
<tr>
<td>Complex Systems</td>
<td>Michael Watson / Ali Raz / Michael Do</td>
</tr>
<tr>
<td>Decision Analysis</td>
<td>Frank Salvatore / Greg Parnell</td>
</tr>
<tr>
<td>Human Systems Integration</td>
<td>Guy Boy / Grace Kennedy</td>
</tr>
<tr>
<td>Natural Systems</td>
<td>Curt McNamara / Randy Anway / Alex Wolf</td>
</tr>
<tr>
<td>Product Line Engineering</td>
<td>Rowland Darbin / Drew Stovall</td>
</tr>
<tr>
<td>Resilient Systems</td>
<td>Ken Cureton / John Brits</td>
</tr>
<tr>
<td>Systems of Systems</td>
<td>Judith Dahmann / Alan Harding</td>
</tr>
<tr>
<td>System Safety</td>
<td>Duncan Kemp / Meaghan O’Neil / Russell Kubycheck</td>
</tr>
<tr>
<td>Systems Security Engineering</td>
<td>Rick Dove / Beth Wilson / Keith Willett</td>
</tr>
<tr>
<td>Training</td>
<td>Gabriela Coe / John Clark</td>
</tr>
</tbody>
</table>

Represent some specialized subject matter or perspective relevant to the practice of systems engineering in certain contexts
### Transformational Enablers (Phyllis Marbach, Assistant Director)

<table>
<thead>
<tr>
<th>WG Name</th>
<th>WG Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agile Systems and Systems Engineering</td>
<td><em>Rick Dove / Ron Lyells / Larri Rosser / Keith Willett</em></td>
</tr>
<tr>
<td>Artificial Intelligence</td>
<td><em>Tom Shortell / Tom McDermott / Barclay Brown / Ali Raz</em></td>
</tr>
<tr>
<td>Digital Engineering Information Exchange</td>
<td><em>Sean McGervey</em></td>
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<tr>
<td><em>Tamara Hambrick / Terri Chan / Celia Tseng / Frank Salvatore / Chris Schreiber</em></td>
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<tr>
<td>Enterprise Systems</td>
<td><em>Kevin Nortrup / Tom McDermott</em></td>
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<tr>
<td>Knowledge Management</td>
<td><em>Robert Nilsson / Jean Duprez</em></td>
</tr>
<tr>
<td>Lean Systems Engineering</td>
<td><em>Arthur Hyde</em></td>
</tr>
<tr>
<td>MBSE Patterns</td>
<td><em>Bill Schindel / Troy Peterson</em></td>
</tr>
<tr>
<td>NAFEMS-INCOSE System Modelling and Simulation</td>
<td><em>Peter Coleman / Frank Popielas</em></td>
</tr>
<tr>
<td>Object-Oriented SE Method</td>
<td><em>Howard Lykins / Loren Walker</em></td>
</tr>
<tr>
<td>Process Improvement</td>
<td><em>Jeffrey Brown / John Clark</em></td>
</tr>
<tr>
<td>Professional Competencies and Soft Skills</td>
<td><em>Sean McCoy / Cliff Whitcomb</em></td>
</tr>
<tr>
<td>Small Business SE</td>
<td><em>Angela Robinson / Ken Ptack / Claude Laporte / Rudiger Kaffenerberger</em></td>
</tr>
<tr>
<td>Social Systems</td>
<td><em>Erika Palmer / Randy Anway</em></td>
</tr>
<tr>
<td>Systems Engineering Tools Database</td>
<td><em>John Nallon / Stephane Lacrampe / Rene King</em></td>
</tr>
<tr>
<td>Systems Science</td>
<td><em>Javier Colvo-Amodio / James Martin / Swami Natarajan / Anh Tong</em></td>
</tr>
<tr>
<td>Systems-Software Interface</td>
<td><em>Jeannine Sivy</em></td>
</tr>
<tr>
<td>Tools Integration and Model Lifecycle Management</td>
<td><em>John Nallon</em></td>
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</table>

www.incose.org/IW2022
### Application Domains (Carl Landrum, Assistant Director)

<table>
<thead>
<tr>
<th>WG Name</th>
<th>WG Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automotive</td>
<td>Alain Dauron / Gary Rushton</td>
</tr>
<tr>
<td>Critical Infrastructure Protection and Recovery</td>
<td>Daniel Eisenberg / John Juhasz / Anthony Adebonojo</td>
</tr>
<tr>
<td>Defense Systems</td>
<td>Karl Geist</td>
</tr>
<tr>
<td>Financial Services and Systems</td>
<td>Gina Guillaume-Joseph / Bradford Leigh</td>
</tr>
<tr>
<td>Healthcare</td>
<td>Chris Unger / Bob Malins</td>
</tr>
<tr>
<td>Infrastructure</td>
<td>Alain Kouassi / Laura Uden / Marcel van de Ven</td>
</tr>
<tr>
<td>Power and Energy Systems</td>
<td>Ray Beach / John Juhasz</td>
</tr>
<tr>
<td>Systems Engineering in Early Stage Research and Development</td>
<td>Ann Hodges / Michael DiMario / Heidi Hahn / Nicholas Lombardo</td>
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<tr>
<td>Space Systems</td>
<td>David Kaslow / Alejandro Levi</td>
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<tr>
<td>SySTEM</td>
<td>Bill Chown</td>
</tr>
<tr>
<td>Telecommunications</td>
<td>John Risson / Daniel Spencer / Susan Ronning</td>
</tr>
<tr>
<td>Transportation</td>
<td>Dale Brown</td>
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</table>
Other Groups and Initiatives

<table>
<thead>
<tr>
<th>Initiative/Objective</th>
<th>Assistant Directors/Champions</th>
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</thead>
<tbody>
<tr>
<td>Empowering Women Leaders in SE</td>
<td>Alice Squires / Erika Palmer / Stueti Gupta / Lisa Hoverman</td>
</tr>
<tr>
<td>Model-based SE (MBSE) Initiative</td>
<td>Mark Sampson</td>
</tr>
<tr>
<td>Smart Cities Initiative</td>
<td>Jenn Russell / Marcel van de Ven</td>
</tr>
<tr>
<td>Value Proposition Initiative</td>
<td>Juan Amenabar</td>
</tr>
<tr>
<td>Products Value Stream (Impactful Products Committee)</td>
<td>Chris Hoffman</td>
</tr>
<tr>
<td>Standards Development Department</td>
<td>Richard Martin / Daniel Siegl</td>
</tr>
</tbody>
</table>
Saturday 1/29/2022

- Opening Plenary - [https://www.youtube.com/watch?v=2mget30H2FU](https://www.youtube.com/watch?v=2mget30H2FU)
  - Membership
    - 19,310 individual INCOSE Members world Wide
    - 88 Corporate Organization Members
    - 37 Academic Organization Members
  - P&L 2022
    - $4.2 Million in
    - $4.9 Million out
    - IT investments driver
  - IW 2022 Plan
    - Vision 2035 Officially Released
    - SE Handbook V5
    - Focus on Virtual/Digitizing experiences
    - IT investment and social development
    - Increase in paid full time positions
    - Digital library development
    - Increased focus on STEM initiative and education
Saturday 1/29/2022

• Opening Plenary - [https://www.youtube.com/watch?v=2mget30H2FU](https://www.youtube.com/watch?v=2mget30H2FU)
  
  – New Officers
    • President – Marilee Wheaton
    • President Elect – Ralf Hartman
    • Treasurer – Michael Vinarcik
    • America Sector Director – Renee Steinward
    • Marcom Director – Honor Lind
    • Services Director – Richard Beasley
    • CAB Chair – Ron Giachetti

  – IT infrastructure
    • Improved Website
    • Replacement of Connect
    • Yammer – Social media tool
    • MS Teams – Collaborate tool
    • INCOSE Intranet
Saturday 1/29/2022

- Opening Plenary - [https://www.youtube.com/watch?v=2mget30H2FU](https://www.youtube.com/watch?v=2mget30H2FU)
  - INCOSE Certification
    - Academic Equivalency program for INCOSE SEP Certification
    - 11 professional certification programs in US and Australia
    - 1100+ students through program
• MBSE Initiative
  – University of Michigan Program – George Halow
    • Integration of Industry Tools, SE, and Cost into a program run by
      • Design, Build Fly Program with focus from stakeholder analysis to
      • Part of AE 495 (3 series courses with advancing class taking a leadership role over the project)
      • Sponsors include Collins, Blue Origin, Aerospace Corp, Pratt and Whitney, and Raytheon
      • Program has resulted in multiple first place regional and global competition placements
  – 5 Lessons we can learn from the way other industries manage complexity - Pari Singh
    • Product Manager are equivalent SE in Software companies
    • All Engineers must have SE mindset
    • Leverage digital twin for iterative design
    • End to end traceability is required
    • Baseline often
Saturday 1/29/2022

- Yammer/Connect/Teams Tools Training
  - MS Teams will hold artifacts for Chapter Circle awards
  - Yammer will be primary INCOSE social experience
  - All INCOSE members will receive guest accounts to INCOSE MS teams
    - Increases chapter management in common tools
  - INCOSE awards director is re-baselining for 2022 submissions
• MBSE Initiative - SYSML 2.0
  – Focus is on Visualization
  – Develop a metamodel without using UML
  – Develop a standard API to facilitate cross platform model transfer
  – Expression language for Part properties
  – Modifiable usage of part properties
    • I.E. Variants of models that inherit partial properties

• MBSE SYSML V2.0 Demo
  – Q2 2023 for formal adoption
  – Language is no longer based on UML
  – API driven cross platform integration
  – Commit/Branch/merging/tagging architecture from software development
  – Eclipse Model Framework utilization Java classes for structure
  – Demo used open source Jupiter interface

- OpenSE Cookbook – Erik Karlsson
  - SE operations manual and Lessons learned from development on the Thirty Meter Telescope

- Cameo Collaborator - Andrius Armonas
  - Development of a cameo interface tool for improving model access to teams
  - June/July rollout for tool
Monday 1/31/2022

• PM-SE Integration
  – PMBOK V7 was released in August 2021
  – PMBOK V7 does not map to SE Handbook V5
  – Expected v2.6 PM/SE SEBok update in April 2022
  – Expansion of PM-SE integration ‘quiz’ into academics through socrative.com
  – Development of a PM-SE interactive hydrogen powerplant ‘game’ by Jean-Francois Vernon to widen outreach

• Sector Leadership Meeting
  – Technical Leadership Institute (TLI) initiative is expanding - [https://www.incose.org/about-incose/tli](https://www.incose.org/about-incose/tli)
    • INCOSE professional leadership pipeline program started in 2015
    • 63 total TLI leaders
    • 101 total leaders in program
    • 8th Cohorts is in progress
    • Package is required to be submitted to info@incose.org by March 31st
  – INCOSE.buzz accounts for INCOSE members on MS teams/architecture
Tuesday 2/01/2022

• Chapter Leader Demo – Andrew Murrell
  – At the request of the Seattle chapter, INCOSE-LA presented and demonstrated a post COVID-19 portable hybrid communication infrastructure system to INCOSE leaders
  – Included a 3 architecture trade study from stakeholder analysis to integration
  – Live assembly and demonstration by untrained leaders in the room
  – Low cost, low maintenance solution for wide INCOSE adoption
  – Disseminated documentation as of 2/6 to a dozen INCOSE chapter leaders from the US, Europe, Middle East, and Africa have requested feedback and support adopting their own systems
  – Reach out to secretary@incose-la.org for deliverables

• Closing - https://conference.conflr.com/IW2022/fullscreen/400106
  – 659 Participants at IW both live and virtual
  – 27 Countries, 60 Chapter’s participates
  – June International Symposium 2022 is in Detroit
Nazanin Sharifi

INCOSE IW 2022

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Hybrid Event Review

• Virtual attendance
  – Recording made available same/ next day
  – No connection issues

• Missed out on Networking/ Socialization
  – Event Attendance

• Wealth of resources offered
  – Working Groups
  – Chapters

• Look ahead:
  – Online SEP exams
  – Academic Equivalency to INCOSE Certification Program
  – Hybrid INCOSE IS 2022
  – Spotlight Series, extended conversation in Virtual Community
    • Addition to Cafes and Webinars

Great Content
Realizing the Sys Engineering Vision Workshop
Systems Engineering Vision 2035
https://www.incose.org/about-systems-engineering/se-vision-2035
Charter is to Realize the SE Vision 2035

Purpose: Evolve the practice, instruction and perception of SE to:
1) Position SE to leverage new technologies in collaboration with allied fields
2) Enhance SE’s ability to solve the emerging challenges
3) Promote SE as essential for achieving success and delivering value

Goal: Create a road map that drives the evolution of SE to:
1) Be increasingly adaptable, evolvable and fit for purpose
2) Account for human abilities, needs as an integral system element and their interactions with a system
3) Be more responsive in resolving increasingly challenging societal needs
4) Realize and enhance Systems Engineering Vision 2025 & 2035 and other visionary inputs

Scope: Identify the needs, priorities and means for transforming SE including:
1) Underlying foundations, systems theory, and principles
2) People, methods, tools, processes, education and training
3) The future social and ethical duties, contributions, and responsibilities of future systems engineers

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Systems Engineering Vision 2035

Current State

• Systems engineering is more important- and more valued - due to rising complexity, increased interconnectivity, and societal impacts.

• Systems engineering is not just for systems engineers- all engineers need it.

• Systems engineering is addressing challenges - in tool and data integration, the impact of artificial intelligence and autonomous systems - and rising software complexity, agility, and scale.

Accomplishments to date
Systems Engineering Vision 2035

Future State

• Future SE is model-based, enabled by digital transformation.
• SE practices will make significant advancements to deal with systems complexity and to enable enterprise agility.
• SE will leverage practices from other disciplines - such as data science - to help manage the growth in data.
• Significant change in SE education - starting with early education with a heavy focus on lifelong learning.

Where we need to go
Systems Engineering 2035

Realizing the Vision

• Manage culture change - political, social, technical, environmental, legal
• Evolve the Sys Eng knowledge base
  — Roadmaps for Research, applications, SE Practices, competencies and Education, Tools and Environments
• Achieve the vision through collaboration
• Sys Eng by 2035 is responsive to major societal challenges - extreme weather, sea-level rise, global warming

The Path Forward

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# Projects Dashboard

<table>
<thead>
<tr>
<th>What</th>
<th>Lead(s)</th>
<th>Support</th>
<th>TPP Status</th>
<th>Status</th>
<th>Products</th>
<th>When</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPPs Project Management</td>
<td>Miller</td>
<td>FuSE Project Leads</td>
<td>N/A</td>
<td>In Process</td>
<td>Set of Approved TPPs</td>
<td>Ongoing</td>
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<tr>
<td>SEV2035 Rollout and Engagement</td>
<td>Friedenthal / Stoewer / Roedler</td>
<td>FuSE Core Team +</td>
<td>(TPP-2020-97 Approved)</td>
<td>Rollout at IW2022</td>
<td>1 SE Vision 2035</td>
<td>1 Rollout IW2022</td>
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<tr>
<td>Action (REAAC2) Team</td>
<td>Schreinmakers (REACT)</td>
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<td></td>
<td></td>
<td>2 Marketing Strategy</td>
<td>2 Develop at IW2022</td>
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<tr>
<td>SE V5 Inputs and Review</td>
<td>Miller</td>
<td>FuSE Core Team +</td>
<td>(TPP-2019-7 Approved)</td>
<td>SE-5.4 &amp; 5.5 Revisions 2 April</td>
<td>SEH5e</td>
<td>IS2023</td>
</tr>
<tr>
<td>FuSE Roadmap</td>
<td>Miller</td>
<td>FuSE Core Team +</td>
<td>TPP-2021-121 Draft</td>
<td>Adjudicate with SE Vision 2035</td>
<td>SEV Realization Roadmaps</td>
<td>Draft Framing IW2022</td>
</tr>
<tr>
<td>Horizons Scanning</td>
<td>McDermott</td>
<td>Ad Hoc Team</td>
<td>Needed</td>
<td>Post IS2021 Planning Meeting</td>
<td>Horizon Scan 1.0</td>
<td>TBD</td>
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<tr>
<td></td>
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<td>Awaiting NDIA Review</td>
<td>SE Principles (Revised)</td>
<td>IW2022 Target</td>
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<tr>
<td>SE Heuristics</td>
<td>McKinney / Brook</td>
<td>Fellows &amp; UK Ch.</td>
<td>TPP-2020-54 Approved</td>
<td>WG engagement; to be hosted on</td>
<td>Beta Version OK</td>
<td>IW2022 Open House</td>
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<tr>
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<td>Professional Development Portal</td>
<td>SE Heuristics Version 1</td>
<td>Version 11H2022</td>
</tr>
<tr>
<td>Bridge Team</td>
<td>Rousseau / Brook / Pennotti</td>
<td>Reps from 2 Teams</td>
<td>Review after IS2021</td>
<td>IW2022 Panel</td>
<td>IS2022 Transdisciplinary SE Panel</td>
<td>IW2022: Guidelines and Transdisciplinary SE Model</td>
</tr>
<tr>
<td>Science Foundations for SE (Portfolio)</td>
<td>Javier Calvo-Admodio</td>
<td>ISSS, SysSciWG</td>
<td>Postpone until IW2022</td>
<td>Workshop Postponed due to COVID</td>
<td>Research Agenda &amp; Roadmap</td>
<td>SysSciWG IW2022</td>
</tr>
<tr>
<td>Human Systems Integration (HSI)</td>
<td>Boy</td>
<td>IEA / HSIWG</td>
<td>TPP-2021-125 Approved</td>
<td>IW2021 HSI Virtual Workshop</td>
<td>HSI Reference (HSI-R)</td>
<td>IS2022 Target Release</td>
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<tr>
<td>Systems Security</td>
<td>Dowe</td>
<td>Sys Security WG</td>
<td>N/A (?)</td>
<td>11 Foundation Concepts (Roadmap)</td>
<td>11 Planned Workshops</td>
<td>IS2021 Paper; IS2022?</td>
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<tr>
<td></td>
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<td>Foundation Papers</td>
<td>INSIGHT Themed Issue</td>
<td>June 2022 INSIGHT</td>
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<tr>
<td>Agility</td>
<td>Dowe Larr Rosser (support)</td>
<td>Agilo Sys &amp; SE WG</td>
<td>N/A (?)</td>
<td>9 Concepts (Roadmap)</td>
<td>Framework Paper(s)</td>
<td>IS2021 Paper; IS2022?</td>
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<tr>
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<td>9 (TBR) Planned Workshops</td>
<td>Framework Paper(s)</td>
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<tr>
<td>Complex Systems</td>
<td>Watson</td>
<td>Complex Sys WG</td>
<td>TPP-2021-124 Approved</td>
<td>Revision awaiting technical editing</td>
<td>Complexity Primer Rev 1</td>
<td>Available INCOSE Store</td>
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<tr>
<td>Contextual Ecosystems (TBR)</td>
<td>Chris Nemeth (IEEE SMC)</td>
<td>IEEE SMC (Lead) INCOSE Support</td>
<td>INCOSE Supporting Role TBD</td>
<td>Forming: address PESTEL, scale, complexity, non-determinism</td>
<td>Portfolio of models (TBR)</td>
<td>Draft IW2022</td>
</tr>
</tbody>
</table>

[Link to the full document at www.incose.org/IW2022](www.incose.org/IW2022)
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